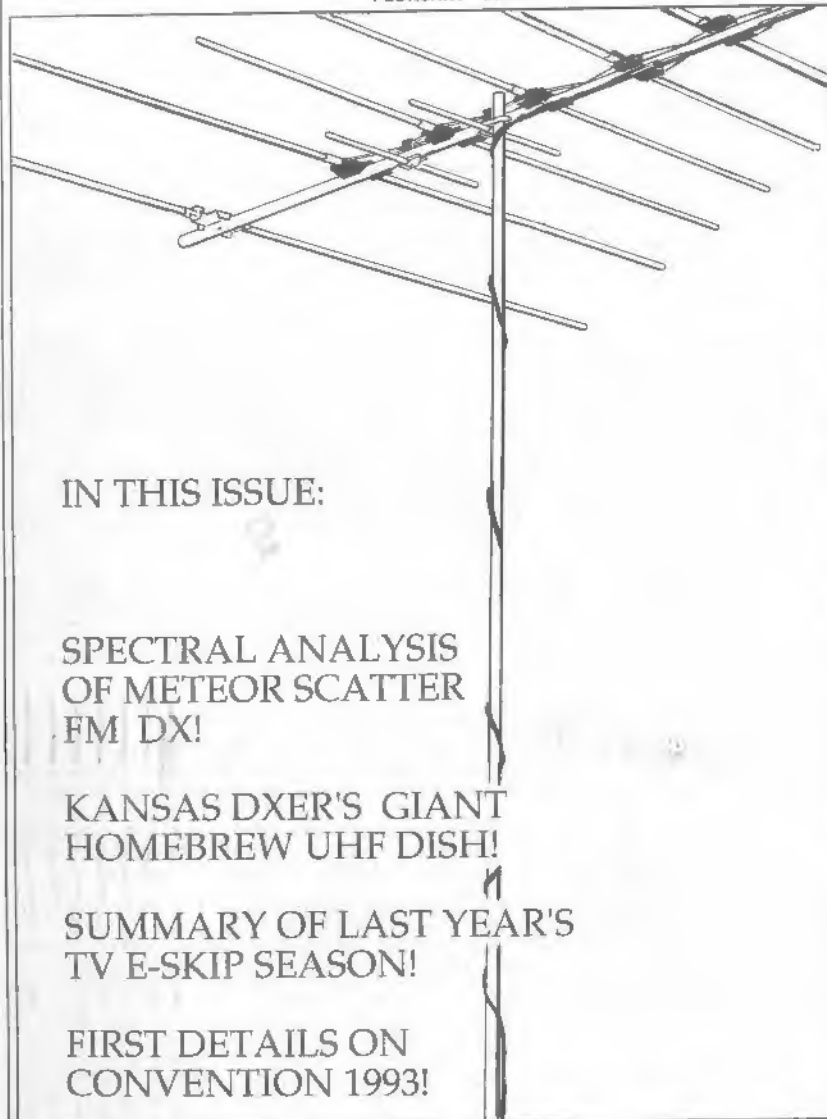


Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

FEBRUARY 1993



IN THIS ISSUE:

SPECTRAL ANALYSIS
OF METEOR SCATTER
FM DX!

KANSAS DXER'S GIANT
HOMEBREW UHF DISH!

SUMMARY OF LAST YEAR'S
TV E-SKIP SEASON!

FIRST DETAILS ON
CONVENTION 1993!



WORLDWIDE TV-FM DX ASSOCIATION

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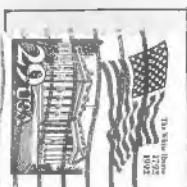
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first class mail

11/93

WILLIAM N NOLLMAN

35 NYE ROAD

GLASTONBURY CT 06033



Nashville

1993

WRITTEN BY TOM BRYANT

Thanks for choosing Nashville for the 1993 WTFDA Convention. Make plans now to join us in 'Music City U.S.A.' July 22-23 and 24. As your hosts, Doug Smith and I will do our best to see that the get-together is top-notch in every respect.

Although planning is in preliminary stages, we thought you might be interested in some information about Tennessee's Capitol City, along with ideas we're working on for the Convention.

Middle Tennessee is home to about 1.5 million residents and Nashville itself has grown from a sleepy southern city to a bustling urban center. If you think "Kee Haw" is what Nashville is all about, you're in for a big shock.

Since this is a tourist-oriented area, you might want to consider bringing the family and making this a part of your summer vacation. Aside from local attractions (more on that later) we're within 200 miles of Graceland, Mammoth Cave, The Alabama Space and Rocket Center, the Great Smokey Mountain National Park, Jack Daniel's Distillery, and many points of interest in the Chattanooga area.

Nashville is situated on three Interstate Highways; and is a hub city for American Airlines. The sparkling new airport is also served by Delta, US Air, TWA, United, Northwest and Southwest as well as several regional commuter lines. Greyhound has frequent service in all directions...there is no Amtrak service at this time.

We will make every effort to provide airport transportation for those who need it. Taxis are expensive and public transportation is marginal, so if you fly in and want to do any sightseeing...you'll probably need to rent a car. There are several tour companies that offer excellent bus trips to homes of the stars, historic sites, and other points of interest.

The exact Convention site has not been chosen, but we are concentrating on a suitable location within 15 to 25 miles of the city. This would likely mean lower room rates, and would get us away from the worst of the traffic problems. It would also put a little distance between the Convention location and most of the local FM and TV transmitter sites.

We plan to have a dx setup at the site with VHF, UHF and FM antennas. Bring your favorite piece of gear if you'd like to 'test drive' it in Tennessee. A VCR and tv will be available for viewing dx tapes.

DXer oriented tour possibilities include WSMV (channel 4), WSM AM/FM, and TNN/CMT (The Nashville Network and Country Music Television). Two outstanding area engineers are under consideration as possible guest speakers. Aaron Shelton joined WSM shortly after it went on the air in 1925, and later retired as chief engineer of WSM-tv. Hugh Hickerson, also a former channel 4 engineer, is now Director of Engineering for Gaylord Entertainment Corporation and heads up operations at WSM AM/FM as well as the Nashville Network, CMT, CMT/Europe, and the rest of Gaylord's domestic radio and television operations. These two gentlemen are well qualified to present a perspective of the broadcast industry from its earliest days to the present...as well as a look at the multitude of technological changes on the horizon. They are both 'dxer friendly'.

PLEASE TURN TO PAGE 27 ➡

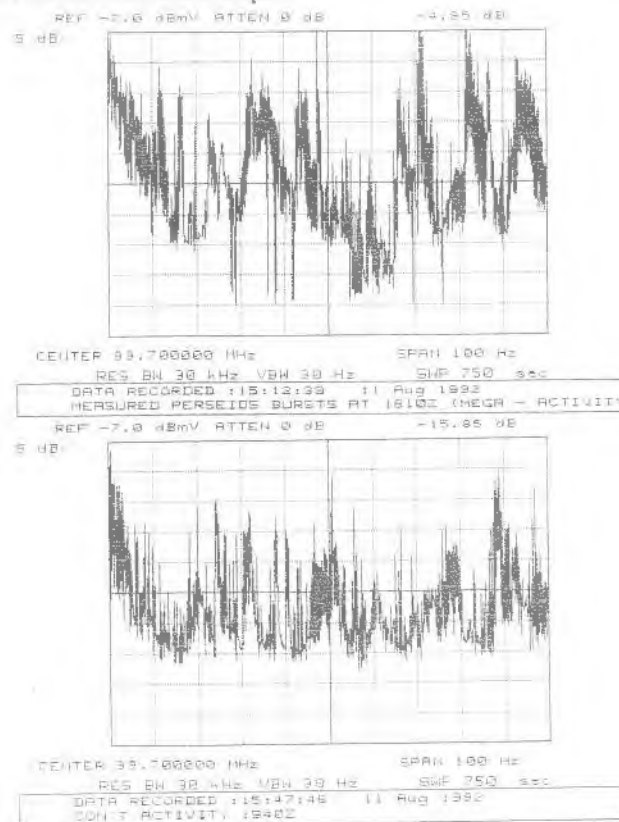
SPECIAL REPORT

SPECTRUM ANALYZER OBSERVATIONS OF PERSEIDS METEOR SHOWER: 1992 by Jerry Monroe

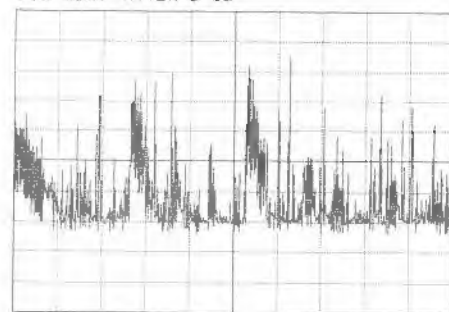
Setup: HP8568A Spectrum Analyzer as fed from a folded dipole 10 feet off the ground. A bandpass filter and 40db of RF gain is used to achieve good noise figure.

99.7 is chosen because of no nearby stations (Pittsburgh is at 275 miles and is in on scatter maybe one to two minutes an hour).

The Spectrum Analyzer is used in the zero span mode (in other words a fixed frequency receiver); the displays or plots merely reflect a signal popping up out of the noise floor over one long sweep of 750 seconds. Each horizontal line is 75 seconds or 1 1/4 minutes. Vertical divisions are 5db per division. Res BW or resolution bandwidth is the IF bandwidth of the analyzer and is chosen at 30 kHz (lousy for audio, but perfect for this application). VBW is video bandwidth or additional filtering of the displayed signal. Since we are interested in signal amplitude, only a very low frequency is chose (30 Hz). Note both local and Zulu time is used in plots

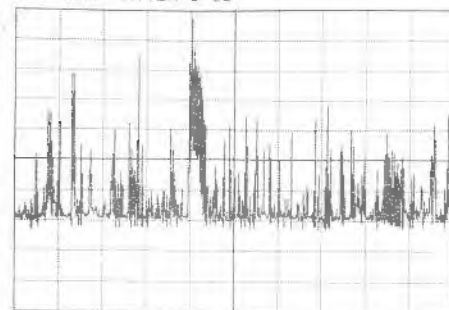


-7.0 dBmV ATTEN 0 dB



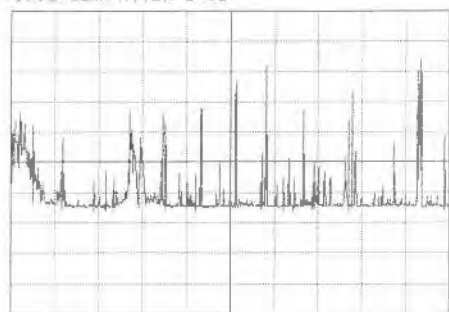
99.700000 MHz SPAN 100 Hz
BW 30 kHz VBW 30 Hz SWP 750
RECORDED :12:01:10 11 Aug 1992
PERSEIDS BURSTS AT 1600Z

-7.0 dBmV ATTEN 0 dB



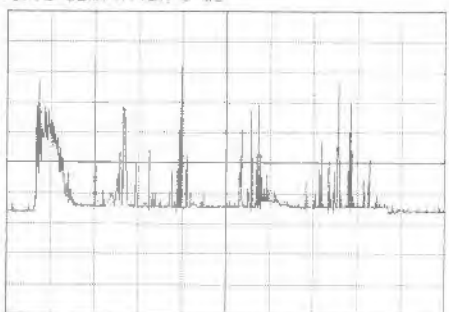
99.700000 MHz SPAN 100 Hz
BW 30 kHz VBW 30 Hz SWP 750
RECORDED :12:45:54 11 Aug 1992
PERSEIDS BURSTS AT 1745Z

-17.0 dBmV ATTEN 0 dB



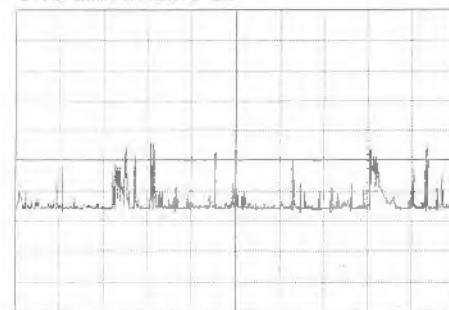
99.700000 MHz SPAN 100 Hz
BW 30 kHz VBW 10 Hz SWP 750
RECORDED :16:35:11 11 Aug 1992
ACTIVITY 2035Z (SLOW DOWN IN BURSTS)

-17.0 dBmV ATTEN 0 dB



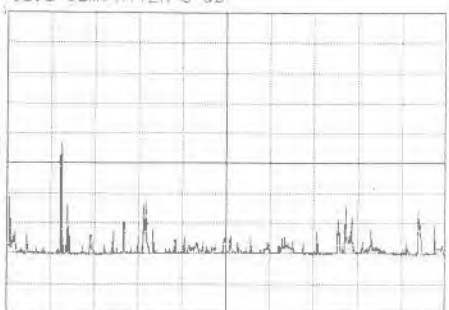
99.700000 MHz SPAN 100 Hz
BW 30 kHz VBW 10 Hz SWP 750
RECORDED :17:24:53 11 Aug 1992
2125Z 5:25 PM EDT -- SLOWING DOWN

-17.0 dBmV ATTEN 0 dB



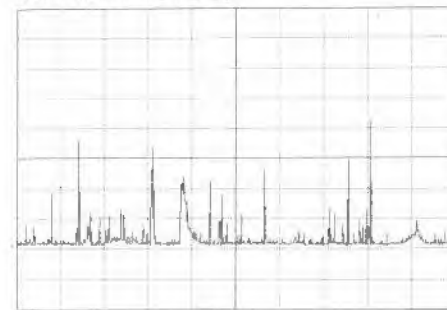
99.700000 MHz SPAN 100 Hz
BW 30 kHz VBW 10 Hz SWP 750
RECORDED :10:21:50 12 Aug 1992
1200Z WED. MORNING

-10.0 dBmV ATTEN 0 dB



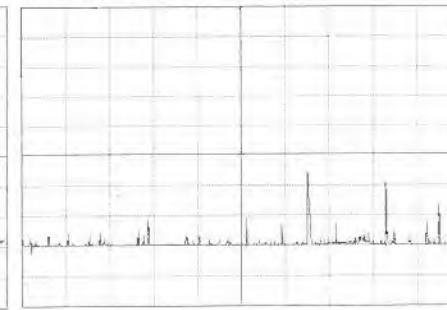
99.700000 MHz SPAN 100 Hz
BW 30 kHz VBW 3 Hz SWP 750
RECORDED :11:27:49 12 Aug 1992
1300Z WED. MORNING

-10.0 dBmV ATTEN 0 dB



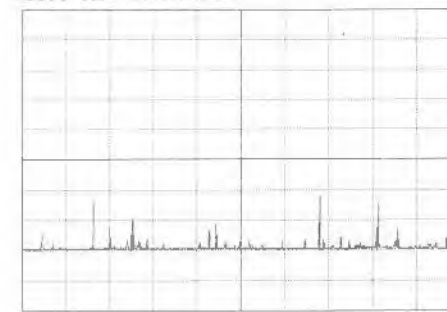
99.700000 MHz SPAN 100 Hz
BW 30 kHz VBW 3 Hz SWP 750
RECORDED :11:55:35 12 Aug 1992
2000Z WED. AFTERNOON UNLIKE TUESDAY

-10.0 dBmV ATTEN 0 dB



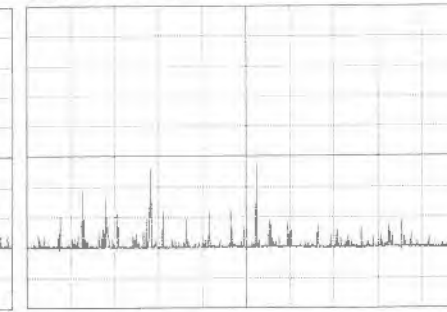
99.700000 MHz SPAN 100 Hz
BW 30 kHz VBW 3 Hz SWP 750
RECORDED :10:54:59 13 Aug 1992
1300Z THUR. MORNING - CX BK TO NORMAL

-59.1 dBm ATTEN 0 dB



99.700000 MHz SPAN 100 Hz
BW 30 kHz VBW 3 Hz SWP 750
RECORDED :17:00:11 14 Aug 1992
ACTIVITY 2100Z ON FRIDAY AFTERNOON

-52.8 dBm ATTEN 0 dB



99.700000 MHz SPAN 100 Hz
BW 30 kHz VBW 3 Hz SWP 750
RECORDED :10:22:10 17 Aug 1992
ACTIVITY 1200Z ON MONDAY MORNING

Test Results: When I decided to check out conditions this particular "work" day the Perseids were obviously in full swing on Tuesday August 11, 1992. The first plot taken at noontime that day shows tremendous activity, which actually builds over the next several hours and drops off as the 1635 plot shows. The 0821 Wed. morning is very down from the previous afternoon but not anywhere near the activity 24 hours earlier. Plots are then taken over the next several days, showing MS conditions returning to typical average, 2-3 bursts per minute.

Comments: You might wonder how does this translate into what you might hear on your FM receiver. Well, the latter plots show typical bursts of 1-2 second length, enough to hear call letters of geographical information, i.e. "Key West". On the other hand Tuesday afternoon activity was non-stop. I was simultaneously listening to 99.7 on my IF modified Sony-ICF 5900W (a decent DX machine with a bandpass filter in front of it). This was not typical MS conditions. Multiple stations were coming in, making IDing almost impossible, all clear and semi-clear channels were jammed with stations, it almost seemed as if my radio was suffering from a severe case of overload inter-mod distortion. At break time I retreated to the confines of the DX-mobile in the parking lot (K-Mart radio, 130 kHz filters, 20 dB pre-amp, bandpass filter, and a parts of phased quarter wave verticals). The same conditions existed with IDing being very difficult, the bursts were on top of bursts, kicking in with an E-skip type of signal strength, but not nearly as stable as E-skip is.

Of course, by 5 p.m. (1700) quitting time, conditions had retreated, with the next day being very down from Tuesday's levels. In retrospect as I submit this article, the Perseid activity that afternoon was phenomenal.

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NY 14221

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada
FEBRUARY 1993 → DEADLINE: The 5th → LOG CUTOFF: 2 months from postmark

November had several e-skip openings, perhaps the most heard being on U.S. election night, the 3rd. December also had some interesting tropo catches along the east coast, during the middle of the month. Perhaps the most widely heard e-skip opening of this off-season was the late night opening of December 20/21st, which according to some lasted until as late as 4 a.m.! If you have had some DX, let's hear from you today!.....

JOSEPH FELA - 150 ROBERT PLACE - SO. PLAINFIELD, N.J. - 07080

Equipment - McIntosh MR-78 tuner/stacked Stereo Probe 9s + a single Stereo Probe 9, on rotors, at 40 ft., Bolin phase box.

NOVEMBER 1992

3 Es
2107 WQID 93.7 MS Biloxi, ads, call 1075
2021 [WQVE] 93.3 LA New Orleans, ads,
Saints promo, "Q-93" 1147

8 GW
1100 [WKHL] 96.7 CT Stamford, legal ID,
"Kool" (strict), o,
ex: WSTC/WYRS/WJAZ/WQQQ 57

20 Tr
2355 [WKOE] 106.3 NJ Ocean City, k, ID
ex: WSLT and c 89

22 GW with phasing
0800 [WHCY] 106.3 NJ Blairstown, call,
"Hot Country", ex: WFMV 40

DECEMBER 1992

02 GW
2150 W289AA 105.7 NJ Lebanon Twp.,
translator of WFMV-89.1 27

14 GW
2102 [WROZ] 101.3 PA Lancaster, ID,
"The Rose" (strict), Music of the
80s and 90s, ex: WNCE 122

15 GW
1709 WRNJ 107.1 NJ Belvidere, call, nx
country format 41

Time: ELT

20 Es

2301 KNTU 88.1 TX Denton, ID, "Jazz
and more" 1354

2308 CBEB 89.7 ON Manitowadge,
CBC English 812

2316 WIMI 99.7 MI Ironwood, call, o,
2320 WWIS 99.7 WI Black River Falls,
local ad, partial ID:
"--IS and AM 1260", o 887

2322 KQDS 94.9 MN Duluth, "95-KQDS", r 982

2330 CBON-22 93.7 ON Geraldton,
CBC French 880

2359 KYYY 92.9 ND Bismarck, "Y-93", r 1384

0001 KFJM 89.3 ND Grands Forks, ID,
looking for \$\$\$ 1230

0003 KCND 90.5 ND Bismarck, list of ND
public radio stns, ND wx, c, 1384

0011 KQAA 94.9 SD Aberdeen, "Kool 95"
+ call, o 1262

0020 KMFY 96.9 MN Grand Rapids, call, ads 1055

0032 KQLX 106.1 ND Lisbon, ID,
"Hit Kickin' Country for the Dakotas" 1232

0034 WHMH 101.7 MN Sauk Rapids, ID with
WVAL-660, "MN's Best Rock" 1055

0052 [KGTR] 92.1 SD Huron, call, o, still
on 92.1, ex: KIJV 1250

73, Joe

dBRUCE HALL - 5 STIRTON AVE - BRANTFORD, ONTARIO CANADA N3T 1E2

Receiver: JVC JR S201 analog receiver with 3 110 khz filters, Sleuth 205 amp, Probe 9 fed with RG6 at 50 feet AGL. Crown rotor, distances are in kilometres.

DECEMBER 1992 DX

2 GW
0643 C- 92.5 ON Toronto, k\$, "92 Point 5 Mhz
Rawico Comm. Toronto", two weeks of endless
electronic boop, loop with ID every 6 min 94

4 Tr
0756 WRLF 94.3 WV Fairmont, op, "Central WV's
home of r&r, WRLF" then a WV song 404

8 MS
0737 WNEB 94.3 FL Lake City, m, B94
"Sportsbreak B94-NFB" 1451

11 MS
0803 CHIQ 94.3 MB Winnipeg, r, "Generic Drug
Companies", recognized newsman's voice from
previous log on tape 1494

DECEMBER 13 Geminid MS

0845 WRCR 94.3 IN Rushville, m, Stereo 581

1000 WGMX 94.3 FL Marathon, Mix, lgl ID 2047

Record one-hop MS distance
1952 WDEC 94.3 GA Americus, k, "94 point 3
WDEC", in FM Atlas as 94.7 1259

14 Geminid MS
0826 WDBL 94.3 TN Springfield, mk, "Springfield
Fire Department, Toys for Tots", phoned
station to confirm my 600th logging from one
location since 04/90 (congrats!-gc) 924

22 Tr & MS
0654 WXTU 92.5 PA Philadelphia, k, country
music followed by "Philadelphia WXTU" 556

0726 WJJO 92.5 WI Tomahawk, k, calls
"WJJO" heard on tape 796

Toronto's new country station on 92.5 (Rawico Communications) sign on delayed up to 90 days past December 17th (update: noting back on testing as of January 6th-gc). I hope they use all 90 of them, so more MS catches can be made prior to sign on. Rawico hopes to be on before 90 days. Many thought they were already on in Toronto when a clear country signal was heard in December. Those many were treated to Rochester's DX of WBEE due to a weather enhanced signal. The best well kept secret as of yet in these parts is their calls and non ID?

73 dB

NORTHERN FM DX

FEBRUARY 1993

Paul Mount Box 126 Lincroft, NJ 07738 (908) 591-2522 [08-midnight]

Equipment: Onkyo T-9090 II (standard 150khz filters), CM-4408 (SP-9) at 30' w/CM9510A rotor, RG-6, Archer FM amp
after slogan is dB reading I/O Onkyo; compare to typical Philly (83), NYC (98)
New loggings underlined, except tentative. Box around new political units

August 3, 1992 Tr

2220 WJLO 104.5 MA Fitchburg
2229 WJLO 96.9 MA Boston
2230 WBXX 98.5 MA Boston
2241 WBOB 92.9 MA Brookline
2243 WJUX 106.7 MA Boston
2247 WJUX 103.7 RI Westerly
2251 WBSH-FM 105.8 CT Glaston
2256 WJON 105.8 CT Glaston
2305 WJON 105.8 CT Glaston
2308 WJUX 106.7 MA Boston
2310 WJUX 105.1 RI Providence
2313 WJUX 105.1 RI Providence
2328 WJUX 105.1 RI Providence
2327 WJUX 105.1 RI Providence
2331 WJUX 105.1 RI Providence
2336 WJUX 105.1 RI Providence
2350 WJUX 105.1 RI Providence
2353 WJUX 105.1 RI Providence

4 Tr to Boston and beyond continues

0001 WJUX 97.3 MA New Bedford
0014 WJUX 99.3 RI Block Island
0030 WJUX 106.3 MA Nashua
0114 WJUX 92.5 MA Haverhill
0130 WJUX 93.7 MA Lawrence
0140 WJUX 99.3 MA Kennebunk
0225 WJUX 103.3 MA Boston
0235 WJUX 103.3 NY Ellenville
0250 WJUX 99.3 ME Kennebunk
0300 WJUX 99.3 MA Boston

22 Tr - after seeing NG TV at Joe Fala's

2302 WJUX 93.3 NC Washington
2315 WJUX 96.9 NC Goldsboro
2320 WJUX 96.7 NC Elizabeth City
2340 WJUX 102.5 VA Winchester
2368 WJUX 95.3 DE Laurel

23 Tr continues

0020 WJUX-FM 103.1 VA Culpeper
0033 WJUX 95.1 NC Raleigh
0056 WJUX 95.3 NC Wanchese
0108 WJUX 95.3 VA Col. Heights
2235 WJUX 105.7 NC Columbia
2240 WJUX 102.1 PA DuBois
2249 WJUX 98.6 MD Salisbury

Notes: 8/3-4 shows mostly new stations as I worked on my 'hit-list' of needed Boston/area stns, still need the 104.9 Gloucester, 90.9, and other educational. Not too much trouble getting thru co-channel NYC stations to NNE at 26 miles, but couldn't get an ID out of my favorite Providence station, WBRU-95.5. Hadn't ever heard Maine / anywhere in NJ; Bill N mentioned possibility tonight, given opening strength, but he was thinking 102.9 (tried, not heard); his phone was busy when I tried to call about WBOQ; RKS couldn't hear, too late for others or no answer. 8/23-24 Norfolk so strong it came in when pointed NW as well as SW, ruling chances for other central PA like 102.9. 9/14 had unexplained WCHR on 94.9, not // 94.7 either. They have no xlr there per call (and null for WJLK-94.3). No luck at 98.9/107.9 VT or any Montreal. Lotsa tip trading w/ Bill N, Bill B, Joe F, Bob S, Eric F and even Clarke Ingram. What do you call these ex, especially when MI, NB are heard within 10 minutes of each other? By 11pm I was so crazy from this day, I left to go hear WSLT-FM-108.3 go country, but there was no fanfare. 12/15 Thanks to Rich Shaffan tip I'm trying to work at home but all this tropo... No luck at NG TVs JF had. Had to leave 1815. Great, good thing you type fast, first attempt preparing contribution myself (Microsoft Excel) took hours! Good DX to all in '93.

ROBERT S. ROSS - VE3 JFC - BOX 1003 STN B - LONDON, ONTARIO CANADA N6A 5K1

NOVEMBER 1992 DX

11 Tr

2035 WHAD 90.7 WI Delafield, talk about
labour equality, ID on hour, ment. U of Wisc
2044 WYGR 104.1 MI Grand Rapids, fund raiser
ph# 313-764-3434, ment U of Mich, lds
2230 [WNUC] 107.7 NY Wethersfield, c/w mx
new format, "New Country 107.7"

Aug 24 Tr continues

0004 WJUX 88.1 VA Hampton
0032 WJUX-FM 88.7 VA Norfolk
0037 WJUX 96.7 NC Elizabeth City
0057 WJUX 92.5 NC Nags Head
0100 WJUX 89.1 NY Friendship
0110 WJUX 93.7 NC Elizabeth City
0118 WJUX 103.3 NY Vestal
0150 WJUX 99.3 VA Appomattox
0152 WJUX 102.7 RI Narragansett Pier
2144 WJUX 93.5 MA Haverhill
2148 WJUX 101.1 MA Falmouth
2200 WJUX 106.1 MA Hyannis
2205 WATB 103.9 MA S. Varnmouth

Sept 14 Super Tr

1100 CPMX 103.1 ON Cobourg
1130 WJUX 94.9 PA Harrisburg
1150 WJUX 94.9 MA W. Yarmouth
1230 WJUX 102.5 NY Buffalo
1310 WJUX 96.7 WI Black River Falls
1558 WJUX 99.7 MI Midland
2003 CIOK 100.5 NB St. John
2037 WJUX 105.7 NY Endicott
2048 WJUX 105.7 MA Framingham
2047 WJUX 94.9 NH Mount Washington
2051 WJUX 96.1 MA Worcester
2057 WJUX 96.9 MA Barnstable
2100 CIOK 81.3 NB St. John
2124 WJUX 92.9 MA Brookline
2135 WJUX 92.9 VT Burlington

nothing else of note heard over the next hour, then see notes

Dec 15 Tr

1742 WJUX 99.9 MD Frederick
1760 WJUX 90.7 VA Staunton
1765 WJUX 99.3 PA Harrisburg
1800 WJUX 104.7 MD Hagerstown
1801 WJUX 98.1 PA Red Lion
1801 WJUX 98.5 PA York

CHAW
Radio
94.7 FM

NORTHERN FM DX

FEBRUARY 1993

DAVE NIEMAN-12284 NICE ROAD-AKRON, NEW YORK 14001-9529

Equipment: Carver TX-11 tuner IF filter modified. Channel Master Stereo Probe 9 at 36 feet on crankup tower, Channel Master 3617B VHF at 23 feet into phase box. Alliance HD-73 rotor and RG-11 coax. New loggings are underlined. New call {K K K K}. New propagation mode WWW.

DECEMBER 1992 DX

4 tropo
1416 92.5 ON Toronto, S
see note 1
20 tropo & E-skip
1792 WCOT 90.9 NY Jamestown, ID
gS, see note 2
1800 WCIY 88.9 NY Canandaigua, ID
gS, see note 2
2355 CJKR 97.5 MB Winnipeg, "Classic
Rock-97.5", rS
promos/ads

DECEMBER 1992 DX

21 E-skip
0001 KXAR 92.3 MN Alexandria, ID+
"KX-92", rS
ex-92.7 855
0014 KSDZ 95.5 NE Gordon, call, kr
mono, see note 3 1192
0024 KKOK 95.7 MN Morris, call, rm6 879
w/t Carver TX-11a tuner
29 Meteorscatter
1530 WVXU 91.7 OH Cincinnati, call, S 411
prev. tropo, see note 4

NOTES:

- (1) New station testing, identified as Rowlee Communications in Toronto.
- (2) New stations testing, Family Life Network. WCOT Warsaw NY back on and testing in group.
- (3) Mention country format from 6AM-6PM but playing 60's rock-n-roll when heard.
- (4) "....your listing to the WVXU stations...."

Hope anyone had as good a Christmas as I did. The wife finally got me what I've wanted for the past several years: a new DX tuner and a Carver TX-11a too. That's really two new DX tuners; a new one for home and the old Carver for the mountain site. I'm holding off changing the TX-11a's IF filters till the 30 day warranty runs out. I guess there's a switch inside that will change the FM tuning increments from 100kHz to 50kHz. I'll have to look for that too when I get it opened. Dave

DAVE NIEMAN-HO STA GEH, ROAD-ROCK CITY, NEW YORK

Equipment: Technics ST-6080 tuner IF filter modified. Antennacraft FM-10 at 25 feet, RG-6 coax and Radio Shack rotor. New loggings are underlined. New call {K K K K}. New propagation mode WWW.

DECEMBER 1992 DX

20 Groundwave & tropo
1000 WCOT 90.9 NY Jamestown, ID
gS, new to air testing
Family Life Network
1200 WCIY 88.9 NY Canandaigua, ID
gS, same as above

DECEMBER 1992 DX

27 tropo
1200 W214AB 90.7 PA Altoona, WFRJ ID
gS, Family Radio 105
w/t Carver TX-11 tuner
29 Meteorscatter
1019 WYFI 99.7 VA Norfolk, call, gS 388

Took the old Carver TX-11 tuner down here (Dec 30th) for the first time since installing the FM antenna on the cabin. It's a much better tuner than the Technics in both selectivity and sensitivity. Nothing new was heard on the 30th but frequencies were more active and signals were much stronger with the Carver TX-11. Dave

WELCOME NEW REPORTER!!



RICH GALLISON - RFD #1 BOX 2190 - CHARLESTON, MAINE 04422

Receiver: Sansui 5800Z. RS FM/TV antenna at ~ 20 feet.

DECEMBER 1992 DX

12 MS?
1844 WCFR 93.5 VT Springfield, "Now, WCFR
w/ Groundwave? MS burst? (could be
either. At that short distance I would guess GW
but you can't rule out MS that short-go)
13 MS
1803 WKQI 95.5 MI Detroit, "Q95FM soft
hits with no hard rock...."
1829 WJSA 93.5 PA Jersey Shore, "WJS...."
1854 nice 15-20 second burst, no IDs
14 MS
0200-0235, lots of bursts, no IDs, that's it, this way
of DXing is very frustrating (Don't worry, I think you
will find Tr and Es a little easier. Other than
Aurora, MS is likely the most difficult DX-gc)

My only confirmed DX is WOOF-FM 99.7 from
Dothan, Alabama from a couple years ago. I don't
even QSL on ham much, but I liked their call
letters (Is WDOG Allendale, SC their sister station?
Hi!) Anyway, I called them on the phone and they
promised a bumper sticker if I send a postcard
from Maine. They were very fast. Sent
verification letter, a map showing their coverage
area, and 2 stickers! AM + FM. I have them on my
truck. My best DX was WOW-FM 94.1 Omaha,
Neb. But in the summer, the skip generally goes
into Georgia, Florida, and the Carolinas. One
time, I had the Dakotas, Minnesota, and
Wisconsin. Well, out of space. Hope to hear from
you, Gud DX, ES 73, Rich WA2CQ (Rich, hope
to see you report often. Welcome to WTFDAI-gc)

NORTHERN FM DX

FEBRUARY 1993

DAN OETTING - 22 CARRIAGE LANE - EXTON, PENNSYLVANIA 19341

Equipment: HK Citation 23, Yamaha T70, rabbit ears, Archer FM booster 20db

DECEMBER 1992 DX

10 Tr
(unbelievably strong low pressure over Baltimore
bringing 80-100MPH winds to NJ, & E.P.A. and 3
feet of snow to W. PA.)
2242 WRFY 102.5 PA Reading, knocked off air
2245 WUSQ 102.5 VA Winchester, r
2306 WQVE 102.5 PA Pittsburgh, rp, ID, "DVE"

WZPR
100.3 FM

DECEMBER 16 Tr

0020 WGBH 89.7 MA Boston, in solid, c
0035 WAAF 107.3 MA Worcester, rp, "WAAF,
the calls with the balls"
0042 W249AT 97.7 PA Reading, WRTI xtr, ID
0100 WVEQ 89.1 NH Concord, ID, c, "Wow!"
ID with four other NH stations
0115 WBOS 92.9 MA Brookline, rm
0127 WFNX 101.7 MA Lynn, p, only heard once
before, many years ago
0140 WRCH 100.5 CT New Britain
0200 WXTK 94.9 MA W. Yarmouth, t, ID
0228 WXXS 107.9 MA Medford, rs, Kiss 108 FM
0234 WCVE 88.9 VA Richmond, c, ID

Nice, unexpected tropo duct in the middle of December. One of the best tropo to the north of
Providence in a long time. As of 1/2/93 no winter E-skip on FM to report. See ya, Dan O.

JOHN EBELING - 9209 VINCENT AVE SOUTH - BLOOMINGTON, MINNESOTA 55431

SEPT. 24, 1992 Tropo

0001 WOHG 95.1 WI Bloomer, k, "B95"
OCT. 28, 1992 Tropo
0030 KWWS 96.5 MN Rochester, k, ex 98.7
DECEMBER 1992 DX
8 Tr
2000 WOPM 106.1 MN Princeton, "Q country" ex 106.3

DECEMBER 20 Es

2223 WGBH 89.7 MA Boston
2225 WITR 89.7 NY Henrietta
2300 KFSI 92.9 MN Rochester, ex 88.5 (Tr) NOTE 1
2303 WKQJ 92.7 NY Middletown, "KQJ"
2305 WOBM 92.7 NJ Toms River
2326 WKLY 98.9 NY Rochester
2330 WVOR 100.5 NY Rochester
2341 WZOO 92.1 OH Wapakoneta, "92 Zoo"

NOTE 1: Have found no indication in FMedial concerning this frequency change; nor have I found any indication of any new
translator on this 92.9 frequency (Elving has been notified). Well, that's about it for now. Haven't noticed any Es since the
20th. Did, however, note some low band TV ES on 12/17, which I ID'd KYW-3 Philly. But the opening never made it to the
FM Band. Regards, John Ebeling

PETER Q. GEORGE (N1GGP) - 40 ADAMS ST. STOUGHTON, MASSACHUSETTS 02072

(617) 341-6073, Equipment: Sony STR/VX750 receiver with 110 khz filters, Archer 6 element yagi with
RG6 coax and 18db FM amplifier, all heard with stereo unless otherwise noted

AUGUST 1992 DX

11 MS (Persids)
1423 WMC 99.7 TN Memphis, FM 100
1427 WIMI 99.7 MI Ironwood, "99.7 WIMI"
1429 WAPW 99.7 GA Atlanta, Power 99
1450 WMGG 99.7 OH Columbus, "Columbus...."
1505 CRO 99.7 PO St. George de Beauce
French country music
1510 WQOF 99.7 AL Dothan, "Wood FM"
13 Tr
0150 WSSV 101.3 NY Saratoga Springs, sat. ac, ID
16 Tr
0100 WNNH 99.1 NH Henniker, Oldies 99
0101 WOKO 98.9 VT Burlington, country mx
0109 WAWZ 99.1 NJ Zarepath, Christian mx
0110 WPLR 99.1 CT New Haven, excellent rock!
24 Super Tr (Hurricane Andrew)
0800 WSNJ 107.7 NJ Bridgeton, ID/MBS news
0801 WSVS 104.7 VA Crewe, news, c&w music
0807 WUDE 101.3 VA Hampton, "2WD", ac
0810 WYFI 99.7 VA Norfolk, BBN/Gospel
0814 WUSL 98.9 PA Philadelphia, Power 99, UC
0827 WBLI 106.1 NY Patchogue, The New WBLI
0840 WQOD 98.7 NH Winchester, 98.7 Oldies FM
1838 WPKN 99.5 CT Bridgeport, public affairs
1843 WTCO 92.1 MA Springfield, ucrap mx
1848 WLNG 92.1 NY Sag Harbor, oldies, MONO
1850 WNYC 93.9 NY New York, News, pub. serve
1850 WACI 94.7 MI Blawie, Christian music

1854 WBSS 97.3 NJ Millville, The Boss, rap mx
1900 WALK 97.5 NY Patchogue, oldies/AC
1925 WQHT 97.1 NY New York, Hot 97, CHR
2012 WQCD 101.9 NY New York, CD 101.9, jazz
2015 WSKQ 97.9 NY New York, Sp. Latino mx
2017 WQXR 96.3 NY New York, classical mx
25 Tr
0300 WYRY 104.9 NH Hinsdale, Y105, CW mx
27 Tr
0210 WJIV 101.9 NY Cherry Valley, relig. talk
0215 CBMB 91.7 PQ Sherbrooke, 400 Hz tone
SEPTEMBER 1992 DX
6 Tr
0210 WKLY 98.9 NY Rochester, Solid Gold Sat-
urday night
0215 WOKO 98.9 VT Burlington, country mx
0217 WUSL 98.9 PA Philadelphia, Power 99
14 Ultimate Tropo!
2103 CIOK 100.5 NB St. John, K100, news
2110 WUGN 99.7 MI Midland, Family Life Net
2141 WKQZ 93.9 NY Norwich, Kix 94, AC/jazz
2207 CBCE 96.7 ON Pembroke, CBC EE, MONO
2207 CHYM 96.7 ON Kitchener, Chime FM, news
2209 WMBR 93.9 VT Woodstock, oldies/sat.
2210 WYFI 99.7 VA Norfolk, BBN gospel mx
2215 CBZ 101.5 NM Frederickton, CBC/stereo
2215 CIEZ 96.5 HS Halifax, Sun FM
2223 WTSA 96.7 VT Brattleboro, jazz
1405 CIEZES NY on the NEVT SAFE!

NORTHERN FM DX

FEBRUARY 1993

PETER GEORGE'S REPORT CONTINUED.

SEPTEMBER 1992 DX CONT.

14 Ultimate Tropo!
 2240 WNYC 93.9 NY New York, classical
 2303 WSKG 89.3 NY Binghamton, opera
 2307 WHAI 98.3 MA Greenfield, news
 2312 WPFW 89.3 DC Washington, rock, ID/prog.
 2353 WRFK 99.7 NC Kannapolis, "The Fox"
 15 more Ultimate Tropo!
 0010 CIOO 100.1 HS Halifax, C-100 // CJCH-AM
 0020 CBH 102.7 HS Halifax, CBC/Stereo EE
 0021 CFQM 103.9 NB Moncton, country "20-20" wx
 0047 WAYV 95.1 NJ Atlantic City, Your Music 95.1
 0145 CBAL 98.3 NB Moncton, CBC FF/Stereo
 0148 WBL 107.5 NY New York, smooth jazz
 0150 WHTT 107.5 ME Lewiston, Oldies 107.5
 0200 CFCA 105.3 ON Kitchener, ac/easy, jingle
 NOVEMBER 1992 DX
 3 Tr and Es
 1952 WMC 99.7 TN Memphis, FM100, ID
 2000 WWDB 96.5 PA Philadelphia, talk, mono
 17 MS
 2030 WUGN 99.7 MI Midland, weather, ID
 20 TrS
 2125 WKLY 98.9 NY Rochester, oldies
 2127 WUSL 98.9 PA Philadelphia, Power 99
 DECEMBER 1992 DX
 13 MS
 0120 KFUO 99.1 MO Clayton, classical mx
 15 Tr
 1102 WYFI 99.7 VA Norfolk, religious gospel mx
 1104 WHTKI 99.7 SC Port Royal, my record tropo
 820 miles!! previously Es and MS
 1204 WVPR 89.5 VT Windsor, Vermont Pub Radio
 2330 WNCN 104.3 NY New York, classical
 2335 WCB 101.1 NY New York, My favorite FM!
 "The Doo-Wop Shop"

Well, it has been a long time since I have reported. The summer for all intents and purposes was a dud for e-skip. But tropo was excellent throughout the fall. My thanks to Greg Coniglio for helping me ID "CBCD 96.7 Pembroke, ON, and CHYM "Chime-FM" 96.7 Kitchener, ON, on the 9/14/92 ULTIMATE tropo. Election night 92 (11-3-92) brought a pleasant but all too brief e-skip with WMC 99.7 TN. I did get on MS KFUO 99.1 MO after local WPLM went off for maintenance on 12-13-92. The best Christmas present was a seven hour E-skip opening. On that night I got KKDI 95.1 MN for five hours straight with local quality. But the best news of all was CITI, "CeeTee" 92.1 MB, in addition to getting close to the 1500 miles mark, I also got province #5-MB. I am interested in hearing old FM DX circa 1950 through 1972. If anyone can make dubs of old DX tapes, I'll gladly pay for the cost of such. Since I have a full production studio at home, I would consider putting a "best of DX" cassette together for all to enjoy. Please drop me a line and let's talk. That's it for now. I hope to be a more active correspondent from now on. (We are glad to see you back, Peter, and hope to hear from you often-gc) Happy New Year 1993! Until next time, 73s!

RICHARD GALLISON - RFD#1 BOX 2190 - CHARLESTON, MAINE 04422 (207) 285-3194

Equipment: Sansui 5900Z receiver, Radio Shack TV-FM antenna

DECEMBER 1992 DX

14 Tr
 1923 CKTO 100.9 NS Truro, ID, calls
 1931 CBHY 92.1 NS Yarmouth, CBC net
 1940 CHFX 101.9 NS Halifax, Country 101
 1942 CFQM 103.9 NB Moncton, ID calls, k
 1950 CIEZ 96.5 NS Halifax, Sun FM
 2100 CFRQ 104.3 NS Halifax, calls ID "With
 100,000 watts, this is CFRQ"
 2102 CBH 102.7 NS Halifax
 2105 CBZ 101.5 NB Fredericton, EZL
 2111 CJYC 98.9 NB St. John, Classic Rock
 C-98, over local WCLZ
 2121 CKWM 97.7 NS Kentville, Magic 97
 skycheck weather
 2149 CJLS1 93.5 NS New Tuskent, ID, oldies

DEC. 16 Tr

0013 WSPK 104.7 NY Poughkeepsie, K104, CHR
 0023 WUSL 98.9 PA Philadelphia, Quiet Storm
 0025 WMXN 105.3 VA Norfolk, SoftJazz, Mix 105
 0032 WJBR 99.5 DE Wilmington Mix 99.5, a/WSSH
 20 Es
 2330 KKDL 95.1 MN Detroit Lakes, Kool 95
 in for five hours!
 2240 KJJK 96.5 MN Fergus Falls, KJ-Country, k
 21 more e-skip!
 0007 WNCB 89.3 MN Duluth, religious sign off
 still says 89.1!!
 0200 KQMN 91.5 MN Thief River Falls, legal ID
 0220 KFJM 89.3 ND Grand Forks, legal ID, clas.
 0259 KCRB 88.5 MN Bemidji, lgi ID, classical
 0305 KKDL 99.7 MN Browerville, Pure Gold 99.7
 0309 KKCK 99.7 MN Marshall, ID, True Value ad
 0323 WAKX 98.9 MN Duluth, classic r. progressive
 0325 KVOX 99.9 MN Moorhead, The New K100
 with Fargo ads
 0407 CITI 92.1 MB Winnipeg, "Cee-Tee FM"
 progressive, Province #51, 1500 miles

□ No Toronto FM country station "in March"? A flurry of queries yesterday as the CRTC officially granted the station's request for a 90-day delay from a sign-on target last Thursday. But the extension to March doesn't mean Rawlco Communications intends to use it. "The CRTC only grants extensions in periods of 90 days and one size fits all," says Keith James, the new station's general manager. "We weren't happy with Dec. 17 — some equipment hadn't arrived and we need a little extra time. It won't be 90 days, I can assure you." Pressed for a guesstimate, quoth James: "We all know the ratings start the first of March. We'd sure like all the headstart we can get. No way we'll use the 90 days." With dozens of staffers on the payroll, we're likely looking at days or weeks here, not three months.

2153 CBD 91.3 NB St. John
 2154 CBHA 90.5 NS Halifax
 2156 WMEM 106.1 ME Presque Isle, classical
 2213 WTMS 96.1 ME Presque L., Soft Hits 96
 2215 CBH1 93.3 NS Middleton, CBC Radio
 15 Tr
 0116 CJLS 96.3 NS Barrington, ID, calls
 0143 WCXU 97.7 ME Caribou, Channel X
 0209 CKHI 105.3 NB Fredericton, From the
 heart of NB, KHJ (They must have moved from
 93.1 Bill Kretschmer heard them here too-gc)
 0245 CHOI 98.1 PQ Quebec, ID, calls
 0252 CBAF14 102.3 NB Fredericton, classical
 1420 CIFA 104.1 NS Yarmouth, French
 Christmas music
 1432 CIRO 99.7 PQ St. Georges, FF country

NORTHERN FM DX

FEBRUARY 1993

RICHARD GALLISON'S REPORT CONTINUES.

Dec. 15th Tr continued

1924 WCTK 98.1 MA N. Bedford
 1951 WFXR 93.5 MA Harwich
 1953 WPLM 99.1 MA Plymouth, Big Bands
 1955 WZLX 100.7 MA Boston, "Boston's
 Classic Rock Station"
 19 Tr & Es
 1840 CBMB 91.7 PQ Sherbrooke, CBC Eng.
 2230 WGFA 94.1 IL Watseka, "Get Into The
 Spirit of Xmas with WGFA"



917 North Lilac Drive
 Minneapolis, MN 55422-4698
 92.5 FM 1440 AM
 (612) 545-5601
 (612) 593-3040 FAX

DEC. 20 Es

0025 KWMG 93.5 NE Columbus, "Nebraska's
 Rock and Roll" 0020-0040 solid, NOTE 1
 0335 WIZM 93.3 WI LaCrosse, Z93, lcl ads
 0343 KJJK 96.5 MN Fergus, KJ96 country
 0359 KSJR 90.1 MN Collegeville, ID, calls
 0400 KCCD 90.3 ND Fargo, ID, calls, not
 stereo, see NOTE 2
 0403 KKSJ 96.7 MN St. Cloud, ads
 0413 WWJO 98.1 MN St. Cloud, 98 Country
 0429 KFGO 101.9 ND Fargo, New Cntry 102
 0433 KQHT 96.1 MN Crookston, Magic 96
 "What's Grand Forks favorite station?"
 0442 KLLZ 99.1 MN Walker, ads mentioned
 Bemidji, thought I heard Power Loon

JANUARY 1993 DX

2 CW

2000 WQUY 102.1 ME Dexter, ID rock mx,
 NOTE 3

Met With Joe Fela while celebrating Xmas with family in N.J. Also hope to meet Bill N. next time in New Jersey. Maybe get in some pinball! Putting up 75 foot tower this summer. Will load it up with TV, FM and ham antenna

NOTE 1: Solid signal, but they wouldn't answer their phone

NOTE 2: Didn't miss the calls or location. Used to be KYY?

NOTE 3: Hooking up studio equipment 2/1/93 projected air debut, oldies format

RICHARD K. SHAFTAN - 39 OLD MIDDLETOWN RD. - ROCKAWAY, NJ 07866 (201) 586-3563

Equipment: Realistic STA-2280 with 7 110khz filters (see McVey article, November 1990), Channel Master 20 element TV 45' AGL phased with two Radio Shack FM outdoor antennas stacked 7 feet apart 30' AGL and an Archer FM-TV-UHF indoor portable amplified antenna phased thru 3 variable attenuators, two "capacitors in a box" and a Radio Shack "Variable Interference Eliminator". Both outdoor antennas are run through Radio Shack mast mounted amps. (IN CAR: Kenwood KRC-430 w/2 110 khz filters). All times approximate

NOVEMBER 1992 DX

26 TrS

2345 WENU 101.7 NY Hudson Falls, mixed WRCC
 had "North Country Weather"

30 MS

0113 WROV 96.3 VA Martinsville, "Southwest
 Virginia's Rock and Roll Sta, 96.3...."

DECEMBER 1992 DX

1 TrS

1510 WOIX 100.9 NY Horseheads, Country 101 in
 out w/WEZG N. Syracuse in Jefferson NJ, sail on the
 NYC side of the mountain. Several days later
 at home had nice mix of WEZG, WAAI Hurlock
 MD, WNNW Warsaw, VA and WKLI Albany

2 TrS

1317 WUSQ 102.5 VA Winchester, Q102, first
 thought it was Buffalo.
 1506 WNET 104.5 PA Wellsboro, local ad
 2012 WPIG 95.7 NY Olean, c/w, local mentions
 Still can't get WZZV.

11 MS

2209 WALZ 95.3 ME Machias, "WALZ."

15 Tr

0150 WRWZ 93.3 NY New Paltz, Hudson Valley's
 Z-Rock
 1319 WANY 99.7 VA Staunton, "Power Oldies" ads
 1355 WWMW 104.7 MD Hagerstown, solid o/WSPK
 1359 WARY 106.9 MD Hagerstown, Oldies 106.9
 1417 WQZK 94.1 WV Keyser, Q94 Rock Shop,
 traffic warnings from WV StatePolice
 NEW STATE, #34 (+DC)
 1505 WKGO 106.1 MD Cumberland, K-GO 106.lame

DEC. 15th tropo continued

1520 WRNJ 107.1 NJ Belvidere, with carrier. Now
 on the air, but never seems to ID w/continuous c/w and
 network ads. This is about 30 miles away and not a
 problem on a pretty useless frequency say w/betw
 WXPS and WZVU. Off to a series of meetings.
 2345 WXLO 104.5 MA Fitchburg, ID o/Philly on
 Rte 3 in Clifton, within view of teh Empire
 State Bldg and World Trade Center (10 miles)
 This told me I missed quite an evening

16 Tr

0026 WKZE 98.1 CT Salisbury, ID as I was
 pulling up the driveway into my home
 0035 WXXS 107.9 MA Medford, on top of WEBE
 0100 WBOQ 104.9 MA Gloucester, on top, W-Bach
 0105 WZEA 102.1 NH Hampton, Seacoast 102
 0110 WSSH 99.5 MA Lowell, ID on top of NY
 0130 WZBG 97.3 CT Litchfield, County News
 0200 WOEL 89.9 MD Elkton, USA Radio News
 and ID through local WKCR
 0202 WIOV 105.1 PA Ephrata, c/w thru lcl WMMX.
 1408 WHTK 99.7 SC Port Royal, "...TK..." Prev on
 trop. I think I'm in range to get this on Es too
 (Strange, my "triple play" is on 99.7 also: WYFI
 But that is Au, MS, and Tr-gc)

20 Es

2306 KAXE 91.7 MN Grand Rapids, ID
 2312 CBEB 89.7 ON Manitowish, CBC
 2315 CBON221 93.7 ON Geraldton, classical mx
 2320 WIMI 99.7 MI Ironwood, wx of lcl 20-25
 and snow could only fit this one.
 2325 KKWO 92.5 MN Warrod, "Lake Country: w/
 promo for Thief River Falls, CST time mention.

NORTHERN FM DX

FEBRUARY 1993

RICHARD SHAFTAN'S REPORT CONTINUES.

DECEMBER 20th E-skip continued

2351 KDVL 102.5 ND Devils Lake, ID
2353 CTTI 92.1 MB Winnipeg, in for hours
21 Es
0020 KSJZ 93.3 ND Jamestown, "It's 12 degrees in Jamestown at Z-93"
0023 WYRO 92.1 MN Little Falls, Hank Williams Jr. heard // Bill N.
0034 KXDL 99.7 MN Brownsville, "Your home for good time rock and roll"
0039 KYYY 92.9 ND Bismarck, Y-93
out at 0100, back at 0200 with Winnipeg solid on Channel 3 and 92.1 (actually stronger than local 92.3)
2041 CBOQ 90.5 ON Fort Frances, Canadian heavy metal and folk. Continuous mentions of Canadian performances gives away szus north of the border

DECEMBER 20 E-skip cont.

2049 KIZZ 93.7 ND Minot, "93.7 KIZZ"
2051 CBQS 95.7 ON Sioux Narrows, // 90.5 perfect
location. Fisher Branch MB is possible. Maybe I heard both?
0302 KXKL 92.9 ND Grand Forks, XL 93
0310 CBLA 90.1 ON Aitkin, // 90.5 and 95.7
0340 CBWS 92.7 MB Brandon, // 90.5, etc in through locals
0355 CTTI 92.1 MB Winnipeg, still, fell asleep.
29 Trs
1830 WEZF 92.9 VT Burlington, local ad
2202 WINC 92.5 VA Winchester, "92.5 WINK FM in for awhile, but I was falling asleep

What a month. Super trop and Es at 4 a.m.

GREG CONGLIO-5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

Equipment: Pioneer TX-8100 tuner modified with 1-150 and 3-180 kHz filters. Stereo Probe 9 antenna mounted on roof // 25' AGL, CAC11 and RG6 coax used, Archer-rotor. "Capacitor in a box" used at times along with my Jerrid 10-el. TV antenna

DECEMBER 1892 DX

13 Tr (CING 107.9 on low power)
2103 (WENZ) 107.9 OH Cleveland, The End, pr\$ WDSY also heard, and WHPH too. Ex: WPHR 170
13 MS
2200 WYWX 98.1 MS Greenwood, legal ID 904
2259 WQWK 98.1 FL Jacksonville, calls, country music, heard once again at 2307 982
14 Tr
1100 CKMS 100.3 ON Waterloo, calls, prog. rock hard with WZPR, CKRZ, and WNIC 98
1845 (CFMO) 101.1 ON Smiths Falls, ex: CHEQ 187
15 Tr
2051 (WKKR) 94.5 OH Port Clinton, "X94.5", op\$, WNED off the air again. Ex: WOSE 241

Dec 20 ES

2320 KIFA 92.5 TX Groves, gr\$, calls 1226
2324 KRRV 100.3 LA Alexandria, ads, into ACC 1120
2350 WTEX 93.9 MN Hibbing, ads\$ 758
2354 CKIS 97.5 MB Winnipeg, ads\$ 996
2355 KYCK 97.1 MN Crookston, 97 Kic, k\$ 938
21 ES
0002 KQMK 93.9 SD Rapid City, Magic 93.9, rm\$ 1227
0028 KQDJ 95.5 ND Jamestown, J-Country, k\$ 1010
0029 KQAA 94.9 SD Aberdeen, ads or CKOT 962
0036 KQBA 92.3 MN Alexandria, top 40\$, music by Toad the Wet Sprocket, calls 832



Not much DX going on lately at all. But the late night E-skip opening in December was a welcome surprise! It was Texas & Louisiana at first, then faded and came back in the Upper Midwest. I had tentative Minnesota/St. Paul on 92.5 and 100.3, the would be the first time I have heard that city since 1987. Hopefully things will pick up soon.

STATION NEWS: WPMR 107.9 Tobyhanna, Pa. is on the air with an album rock format. It puts a strong signal into parts of New Jersey. Also in NJ, WRNJ 107.1 Belvidere is on the air, with country music. 92.1 in Huron, South Dakota is now KGTR, with an oldies format. 101.3 in Lancaster, Pa. is no longer WNCB: they are now WROZ, "The Rose", with music of the 80s and 90s format. WGUY 102.1 in Dexter, Maine (Bangor) has been on the air testing. The are supposedly to come on the air February 1st, probably with an oldies format. Same frequency, same region, WZEA Hampton, N.H. is also on the air. Slogan is "Seacoast 102", format is not known though. In Southern Ontario, low power CKMS (progressive rock) has moved from 94.5 to 100.3. In nearby Western New York, the religious Family Life Network has signed on three new stations: WCOU 88.3 Warsaw, WCIV 88.9 Canandaigua, and WCOT 90.9 Jamestown. KRTS 92.1 Seabrook, TX "K-Arts" now has a partner. KRTK 97.1 is on the air simulcasting their classical format. Neaby KWIC 107.9 is still off the air though. Two call changes in the Dallas area that do not involve format changes: Spanish KSSA 106.9 is now KRVA-FM, and Z-Rock on 99.1 is now KDZR. In Monterrey, California, 99.5 is now KQKE, and country music. Recently, Pittsburgh had only one country FM station. Now they may have three. 104.7 WORD is expected to become country. Also, WBZZ 93.7 has leased local WMXP 100.7 and changed them to WTKB "The Bear", also country. It has been reported that CJOJ 102.3 Belleville, Ontario is expected on the air November 1993, with an album rock format. 99.5 in Brownsville, Texas is now KKPS, Spanish and "Que Pasa" slogan. KWSM 104.1 Sherman, TX goes to SMN Kool Gold. In metro Las Vegas, KUDA 107.5 is now classic rock KFBI. Two more top 40 stations gone: WSSX 95.1 Charleston, S.C. goes to hot alt; and KSND 93.1 Eugene, Ore. goes country. WBWZ 93.3 New Paltz, NY is on the air with hard rock, "Z-Rock". KQLZ 100.3 Los Angeles goes to modern rock. In Detroit, 99.5 WDFX is no more. Now it is WOWF, and news/talk. WZRH 106.1 Picayune MS/New Orleans also goes to modern rock. In Atlanta, another modern rock convert, the often heard on MS 99.7 is now WNNX, "99X". Thanks to Rich Gallison, Joe Feia, Richard Shaftan, Bob Smolarek, and Dave Nieman for updates.

SOUTHERN FM DX

FEBRUARY 1993

SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NV, OK, SC, TN, TX, UT, WV.

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

DEADLINE: 14th

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075

Equip.: Onkyo T-9090 tuner, Channelmaster Probe 9 at 30 ft., Gemini rotor 12/29 gw

2024 KLVV 88.7 OK Ponca City, g, 40
"Love 88-7" Oh, no, not another new semi-local. Since it's a religious station, I won't cuss about it, at least certainly not in print.

1/3 tr

1131 KQAB 94.9 AR Prairie Grove, ID
1141 KLRC 101.1 AR Siloam Springs, calls

gw

1222 KIRC 105.9 OK Seminole-Shawnee, ID, ad, k

ADULT CONTEMPORARY
CHRISTIAN MUSIC NOW ON

88.7 FM

Plus "Focus on the Family" weekdays at 6:30 p.m.
Don't miss *Harvest in Concert*, Thursday at 7:00 p.m. in Ponca City. Tickets available at The Christian Bookstore in Stillwater.
KLVV P.O. Box 14 Ponca City 74602 767-1400

My, it's been a dreary winter with such unusually long periods of damp and cloudy weather being the rule. It hasn't been of much help for the trop. Well, 1992 went down as the worse DX year I've ever experienced in terms of new stations logged. Total new for 1992 was 17 versus 25 for my former worst year, 1979. Perhaps the evening DXers, which I am one, along with the morning DXers who are also fortunate enough to also be evening DXers, can relate with me how the evenings last year just went on and on with hardly ever so much as a teasing of Es or tr on TV Z, let alone on FM. The only good skip opening I had caught me when I had a morning off.

I was sorry to see Bruce Elving leave his FCC column. He had long become quite a fine and reliable fixture in the VUD. I would like to optimistically predict that within a year or two he will change his mind and return to the FCC column.

Christopher S. Dunne, 21541 NW 8 Ct., Pembroke Pines, FL 33029-1085

Equipment: JVC RX302BK FM receiver mod. w/ 150kHz filters
GE Superadio II mod. w/ 150kHz filter*
Archer 6-element FM antenna
Archer V-185 VHF/FM antenna*
Archer 15-1113A amplifier*
(*if needed)

Note: The above will not be repeated.

I don't know why it is, but normally in these parts we never get Es at Christmastime. Well, this has changed! I was blessed with Es on the 19th of December along with brief "3s" in January.

I was finally able to install my V-185 and U-120 to supplement my 6-element FM antenna. So far it seems that the V isn't really needed for FM, except that it has been fantastic for phasing (using a 75-ohm splitter along with the FM antenna); it sure beats rabbit ears as far as hearing FM 104.5 in Nassau. (WEAT 104.3's a pest.) Because I'm in a mobile home, my two masts are only 5 feet apart; naturally, I wish they were farther apart. One mast is higher than the other, so the V-185/U-120 won't collide with the FM mast. I disconnect all 75-ohm cables from the receivers when not used, because we get thunderstorms galore down here.

Time Call Freq. St Location, details Miles

12/5 GW

2235\$WAGQ 91.9 FL ??? PIRATE, salsa and SS (heard from car, Pioneer car radio) ???

12/19 Es

1055 WRBH 88.3 LA New Orleans, "Metallic YMCA" heard 600
1100\$KRVG 88.7 LA Lafayette, ID 770
1120 KLDN 88.9 TX Lufkin (from car)

Time Call Freq. St Location, details Miles

12/22 Tr

0140.....WJWY 106.7 OFF11.....
0140\$WZZS 106.9 FL Zolfo Springs, k,
"WZZS 107", "ZZ 107" - NW 120
0145\$WXL 106.7 FL Leesburg, "XL" 200

738

Chris

WESTERN TV-DX

February 1993

1993 closed with December providing a few 500 mile plus tropo opening and a smattering of E skip. Interestingly, the only 500 mile tropo reported was seen on the 8th and the 13th and on both dates in widely separated locations. On the 8th, Bill Draeb was seeing Tennessee and Jeff Kruszka was seeing Florida. On the 13th, Bill was seeing Alabama and Jeff was again seeing Florida. Bill Eckberg started the new year with tropo to Alabama on New Year's Day.

E skip was reported on December 5, 7, and 17-21

New _____ New Mode _____ Tent. - t Unidentified - unid S/On - + S/off - =
ID Color Bars - # Unid Color Bars - % Misc. Test Patterns - &
Parallel Programming - // MTS Stereo - \$

NL Nuevo Leon TA Tamaulipas GU Guatemala

CHA Channel America HSS Home Shopping Spree
GLA Galavision UNI Univision
HSC Home Shopping Club VJN Video Jukebox

Fernando Garcia, Apartado 30, Suc. B, Cd. Guadalupe, N.L., 87181, Mexico HCM

Equipment:

Sony KV27R(27"), Archer V-185 and V-8 UHF array at 30', Archer 15-1108 amplifier and rotor.

October 1992

| | | |
|---------------------------|---------------------------|---------------------------|
| 5 tr 0615 KRIV 26 TX 410 | 13 tr 0659 WMPV 21 AL 845 | 14 tr 0700 WVLA 33 LA 640 |
| 0618 KETH 14 TX 410 | 0700 WBHS 50 FL 1088 | 18 Es 1630 Cuba channel 3 |
| 0620 KTXH 20 TX 410 | 0715 KADN 15 LA 584 | 1640 Cuba channel 2 |
| 0625 KTMD 48 TX 404 | \$unid ch 30 NBC | 1700 Cuba channel 4 |
| 0626 WVLA 33 LA 640 | 0730 K62DW 62 LA 584 | 1715 unid ch 3 XEW |
| 0635 KXLN 45 TX 373 | (Lafayette LPTV) | 1735 TGV 3 GU 1019 |
| 9 tr 0610 KNYO 48 TX 131 | 0735 K59DG 59 LA 640 | 19 gw 0115 XEFE 2 TA 131 |
| (See Note # 1) | (New Orleans TBN) | (See Note # 6) |
| 10 tr 0720 KXAM 14 TX 392 | 0738 WEIQ 42 AL 845 | 22 Es 2110 TGV 3 GU 1019 |
| 2215 XHOR 14 TA 155 | 0739 WIIQ 41 AL 870 | 24 tr 0215 KADN 15 LA 584 |
| 12 tr 2225 KTFH 49 TX 423 | 0740 WAPT 16 MS 752 | 0220 K21DM 21 LA 584 |
| 2230 KTMD 48 TX 404 | 0745 unid channel 52 | 0300 WVLA 33 LA 640 |
| 2232 KXLN 45 TX 373 | (See Note # 4) | 0550 K21DK 21 TX 370 |
| 2240 KLAX 31 LA 506 | 0746 WMAH 19 MS 752 | (Giddings KXAN-36) |
| 2242 KRIV 26 TX 410 | 0747 WMAV 17 MS 870 | K40CT 40 TX 325 |
| 2245 KHTV 39 TX 410 | 0748 K21DM 21 LA 584 | (San Marcos KXAN-36) |
| 2250 K47DF 47 TX 224 | (Lafayette LPTV) | 0610 K20CE 30 TX 350 |
| (Corpus Christi LPTV) | 0750 WVLA 33 LA 640 | (Austin UNI) |
| 13 tr 0425 WD9D 40 MS 752 | 0754 K39BJ 39 LA 622 | 0615 KXAN 36 TX 354 |
| 0430 K46CR 46 LA 840 | (See Note # 5) | 0655 KTFH 49 TX 423 |
| (Baton Rouge VJN) | 0755 WGIQ 43 AL 980 | 0658 K47DF 47 TX 224 |
| 0445 WHLT 22 MS 758 | 0800 WXXV 25 MS 740 | 0755 KITU 34 TX 491 |
| (See Note # 2) | 0803 W46AV 46 MS 777 | 0756 K50AO 50 TX 224 |
| 0454 KLTTL 18 LA 522 | (Pascagoula TBN) | (Corpus Christi LPTV) |
| 0455 KTMD 48 TX 404 | 0820 WMAV 14 MS 827 | 0800 K66EB 66 TX 224 |
| 0456 WLTPB 27 LA 640 | 0821 KNVO 48 TX 131 | (See Note # 7) |
| 0520 KVHP 29 LA 522 | 2203 unid ch 21 TBN | 0810 KHSH 67 TX 404 |
| 0525 KLPA 25 LA 606 | 2205 WVLA 33 LA 640 | 0900 KKHOU 11 TX 410 |
| 0545 WFTS 26 FL 1088 | 14 tr 0320 WHLT 30 TN 889 | 0901 KTRK 13 TX 410 |
| (See Note # 3) | 0325 unid ch 13 HSC | 1000 K55FX 55 TX 224 |
| 0550 WNOL 38 LA 640 | 0335 KTXA 21 TX 522 | (See Note # 8) |
| 0600 KITU 34 TX 491 | 0558 KLAX 31 LA 606 | 25 tr 0645 KVDA 60 TX 283 |
| 0618 KFDW 6 TX 491 | 0559 WLAE 32 LA 640 | 0657 KXLN 45 TX 373 |
| unids 36, 45, 58 | 0600 KLPA 25 LA 606 | 0658 KADN 15 LA 584 |
| (All TBN) | 0630 KADN 15 LA 584 | 26 tr 0620 KLPB 24 LA 584 |
| 0630 WLAE 32 LA 640 | 0631 WGNB 26 LA 640 | 0623 K21DM 21 LA 584 |
| 0630 unid ch 20 NBC | 0632 WLPB 27 LA 640 | 0625 KADN 15 LA 584 |
| | 0640 WLOX 13 MS 758 | 0640 KRIV 26 TX 410 |

Western TV-DX

February 1993

Fernando Garcia (continued)

| | | |
|---------------------------|----------------------------|---------------------------|
| 28 tr 0645 KITU 34 TX 491 | November 1992 | 23 tr 0610 KETH 14 TX 410 |
| 0650 WJ9AW 19 LA 540 | 2 tr 2130 WGNB 26 LA 640 | 0630 KRIV 26 TX 410 |
| (Baton Rouge LPTV) | 2131 KRIV 26 TX 410 | 0700 KXLN 45 TX 375 |
| ("WBTR") | 2200 WLAE 32 LA 640 | |
| 0700 WHLT 22 MS 758 | 2215 WNOL 38 LA 640 | |
| 2030 XHOR 14 TA 155 | 2220 KKMSS 33 LA 609 | |
| (See Note # 9) | 3 tr 0230 KXXV 26 TX 447 | |
| 2100 KLTJ 22 TX 404 | 0557 WMAV 17 MS 370 | |
| 2130 KHOU 11 TX 410 | 0610 KLPB 24 LA 584 | |
| 27 tr 0600 KVHP 29 LA 522 | 0617 WGBS 30 MS 827 | |
| 0615 KHTV 39 TX 410 | 0628 KHTV 39 TX 410 | |
| 0628 WHLT 22 MS 758 | 0630 WHLT 22 MS 758 | |
| 0630 KADN 15 LA 584 | 9 gw 2140 KH-- 3 NL 4 | |
| 0700 KLTJ 22 TX 404 | (See Note #10) | |
| 28 tr 0545 KPRC 2 TX 410 | 19 gw 0800 KXHMNU 53 NL 19 | |
| 0600 KLTJ 22 TX 404 | (Local University LP) | |
| 31 tr 0700 KXXV 25 TX 447 | 23 tr 0525 KPRC 2 TX 410 | |
| | 0555 KPLC 7 LA 522 | |
| | 0559 KTXH 20 TX 410 | |
| | 0600 KLTJ 22 TX 404 | |

December 1992

| | |
|-----------------------------|--------------------------|
| 1 tr 2158 KEDT 16 TX 224 | 23 tr 0525 KPRC 2 TX 410 |
| Most Houston Us | 0555 KPLC 7 LA 522 |
| 4 tr 0600 KVUE 24 TX 354 | 0559 KTXH 20 TX 410 |
| 0610 KRRT 36 TX 285 | 0600 KLTJ 22 TX 404 |
| 5 Es 1540-1755 unids 2,4 to | |
| Central America | |
| 7 Es 1945-2020 unids 2,4 to | |
| Central America | |
| 9 tr 0805 KVUE 24 TX 354 | |
| 0610 unid 22 TX GLA | |
| San Antonio Us | |
| 0630 KAVU 25 TX 283 | |
| 0710 K66EB 66 TX 224 | |
| 0715 KEDT 16 TX 224 | |

Note # 1 - Transmitter signal under test, new for McAllen Univision.

Note # 2 - "South Mississippi's Most Watched Station".

Note # 3 - Local out, snow free, FOX network, my longest UHF tropo to date.

Note # 4 - Home Shopping Club, Keystone Inspirational Network. (Jeff Kruszka has reported K52CQ, Baton Rouge, carries Keystone, fm)

Note # 5 - Continuous weather info for southeastern Louisiana, KBJ-39, Morgan City.

Note # 6 - Relaying XHGC-5 movie, local messages.

Note # 7 - Telemundo Corpus Christi, relays in Alice 8 and Kingsville 13.

Note # 8 - KFTS?, channel 55 for Corpus Christi (gospel), Spanish at 1030.

Note # 9 - IMEVISION-13, Matamoros.

Note # 10 - New relay station for local XEFE-2 with 500 Watts at top of Saddle Mountain, 5900 feet above sea level, local pest.

I want to apologize because of my last report, reception of KLNE-3 on August 2nd was by E skip.

(Fernando, I presume the channel 22 with Galavision logged on December 9th at 0610 was K22BH, Corpus Christi. There is a problem with the call letters/channel for your loggings of WMAV-17, WMAV (Oxford) is on channel 18, WMAU (Bude) is on channel 17. The distance you show suggests WMAV-18, but I am not sure. fm)

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CST

Equipment:

1966 Zenith b&w tube receiver ch 14N22, modified Zenith 175-2225 detent tuner. Rohn tower - Channel Master 1110 at 41'. Rohn crankup tower - Channel Master 7 foot dish with RDX Labs UA900 (round) preamplifier at 52' and 125' of Jerrold CAC11.

October 1992

| | | |
|---------------------------|--------------------------|---------------------------|
| 1 tr 0420 W29BG 29 IL 129 | December 1992 | 19 Es 2130 WPBT 2 FL 1229 |
| (Decatur TBN) | 19 Es 1820 KPRC 2 TX 893 | 2155 WEDU 3 FL 1031 |
| 7 tr 0530 KARD 14 LA 651 | 1900 WGBH 2 MA 918 | |
| 0544 WXMT 30 TN 408 | 1915 KOB 4 NM 1026 | |
| 18 Es 0040 WESH 2 FL 985 | 1920 KNME 5 NM 1026 | |
| 22 Es 0450 KSAX 42 MN 404 | 1930 KENW 3 NM 912 | |
| | 2000 KNAZ 2 AZ 1258 | |

January 1993

| |
|--------------------------|
| 1 tr 2030 WXMT 30 TN 408 |
| 2200 WBNG 42 AL 582 |

John Ebeling, 9209 Vincent Ave S, Bloomington MN 55431

CST

Equipment:

All transistor Zenith Model E2055L (chassis 19EB12) dating from about 1954 or so, with built in monopole antenna. Located in basement.

E skip was active on December 17, 1992 from about 2155 to about 2320. Logged KYW-3, Philadelphia at 2235, with cci on channels 2-5. E skip did not reach FM.

On December 20th, noticed E skip while watching channel 5. This opening lasted from about 2145 to 2345 (channel 2 still showing cci at 0030). Very active, but sporadic

John Ebeling (continued) reception. On channel 3 had WSTM-3, Syracuse, giving central New York weather. At times, picture was snow free! Low band TV channels were alive and opening made it to the FM band with an MUF of 107.3 MHz noted. FM loggings were from Massachusetts, New York, New Jersey, and Ohio. Channel 3 earlier had CBS programming, so not knowing Syracuse's network, I may have had several good channel 3 stations in at the start.

William Draeb, Ellis St., Rt. #2, Kewaunee WI 54216 (414-388-2350)

CST

Equipment:

7' Finco dish, B-T CMA-Ub preamp @ 93'. 750 cable. Stacked Finco high band yagis @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (lo-band) yagi. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower). Panasonic 9" b&w portable.

| | | | | |
|----------------------------|----------------|---------------------|------------|------------------|
| November 1992 | 8 tr 2010 | WSBN 47 VA 580 | 13 tr 1932 | WKPD 29 KY |
| 10 tr 2050 W23AT 23 IL 175 | | WENT 39 TN 635 | | WEVV 44(KY) 455 |
| (Chicago LPTV-Polish) | | WKSO 29 KY 520 | 2000 | WEIU 51 IL 345 |
| 11 tr 1728 W42AF 42 WI 80 | 2028 | WMSY 52 VA 505 | | W30AL 30 IL 200 |
| (Ripon TBN) | | WKON 52 KY 430 | | (Plano - CHA) |
| (See Note # 1) | | Louisville 15,32 | | W39BH 39 IL 300 |
| 1730 Toronto 41,47,57 | | WHA 35 KY 550 | | (Champaign HSS) |
| Buffalo 29,49 | | WYMT 57 KY | 14 tr 1830 | WPBO 42 OH 455 |
| lower ON Us | | WXIX 19(OH) 400 | | W24AI 24 IN 190 |
| CITY2 31 ON 350 | | WUNFT 33 NC | | (Michigan City) |
| 1906 W44AG 44 PA 410 | 2035 | WCET 48 OH 400 | | (See Note # 2) |
| (Erie TBN) | | KSAX 42 MN 385 | | (See Note # 3) |
| W33AX 33 WI 135 | 12 tr 2101 | KAWB 22 MN 365 | | W66BD 66 IN 260 |
| (Madison TBN) | | WLKY 32(IN) 430 | | (Fort Wayne TBN) |
| Rockford 62,68 | 13 tr 1804 | WDRB 41(IN) 430 | 1934 | WOSU 34 OH 375 |
| 1915 WSEC 14 IL 355 | | (Snow free) | | W68BPT 68 OH |
| 13 Es 0840 unid channel 2+ | | WGRB 34 KY 516 | | (Dayton TBN) |
| 21 Es 0946 unids chs 2-4 | | WTVQ 38 KY 470 | 2029 | WMAJ 53 OH 405 |
| 1935 unid channel 2+ | | WKLE 46 KY 480 | 2101 | WSFJ 51 OH 405 |
| 26 Es 1955 KACV 2 TX | | WCET 48 OH 400 | 19 Es 1515 | WCBOT 2 SC |
| KENW 3 NM 1145 | | WMAF 48 AL 675 | | WFMY 2 NC |
| KAMR 4 TX 985 | | WKON 52 KY 430 | | WMAV 3 NC |
| 27 tr 1903 W42AF 42 WI 80 | | WCVN 54 KY 405 | | unids chs 2-4 na |
| KSAX 42 MN 385 | | WSTR 64 OH 400 | | French |
| KVRR 15(MN) | | WKMJ 68(IN) 430 | 1810 | KPRC 2 TX 1115 |
| 30 tr 1905 KAWB 22 MN 365 | | W40AK 40 MI 110 | | KIIT 3 TX |
| WDSE 8 MN 275 | (Muskegon CHA) | | 1855 | KGBT 4 TX |
| WDIO 10 MN 275 | | 1827 WKSOT 29 KY | | KRGV 5 TX |
| KMSB 9 MN 280 | | 1848 WUSI 16 IL 390 | 1906 | KBTX 3 TX 1065 |
| 1935 CICO 9 ON | | WVUT 22 IN 400 | 1915 | KENW 3 NM 1145 |
| WIRT 13 MN 330 | | W23AT 23 IL 175 | | KOB 4 NM |
| | | WKGB 53 KY 510 | | KAMR 4 TX |
| December 1992 | | 1916 WKMA 35 KY 500 | 1959 | KDBC 4 TX 1345 |
| 8 tr 1854 WPBO 42 OH 455 | | WFIE 14(KY) 455 | | |
| WOSU 34 OH 375 | | WEHT 25(KY) 455 | | |
| 2010 WKPT 19 TN 620 | | | | |

Note # 1 - Weaker than when they were carrying scrambled movies a few years ago.

Note # 2 - Parallel to WTLJ-54 with 616-695-5454 phone number on screen. (Bill, are you sure you weren't watching Tri-State's W2480, Kalamazoo, instead of Michigan City? fm)

Note # 3 - W66BD also on ID slide along with 616-997-1851 phone number.

The off season E skip proved interesting. Some tropo activity, but not much due to single digit above and below zero weather. Good thing it didn't last real long as temperatures rose to upper 30s between cold snaps.

This kind of weather froze up my rotor on big tower for a few days. When we had warmer temperatures, it rained and then it turned cold and froze up the rotor. I crawled up there yesterday (it was 12° with a stiff wind at the time) to confirm my suspicions. The bearing at the top of the tower which holds the mast was iced up and wouldn't turn, so I squirted some WD-40 on it hoping the ice would dissolve, but it didn't.

That's all for now. 73, Bill

Jeff Kruszka, 2824-E Steamship Circle, Marahan LA 70123 (504-733-8539)

CST

Equipment:

1992 Zenith "Sentry 2" 13" color TV (Model #81318S). UHF: RDX Labs UA-900 preamplifier, Channel Master 4228A 8-bay @ 30'. VHF: Rabbit ears and quad loops for channels 2 and 5. Mitsubishi HS-U31 VCR.

| | | | | |
|---------------------------|------------|---------------------|----------------|-----------------|
| November 1992 | 8 tr 0559 | WNFT 47 FL 514 | 17 tr 0830 | WXTX 54 GA |
| 9 tr 2130 KHDU 11 TX 319 | | 0624 WTWC 40 FL 357 | | "Fox 54" |
| 22 tr 0137 WXYI 15 MS 258 | | 1654 KLRT 16 AR 381 | 0835 | WAFE 48 AL 382 |
| 25 tr 0610 WTJP 60 AL 345 | | 1700 KETK 56 TX 338 | 0838 | WTJP 60 AL 345 |
| 0618 W45AA 45 MS 90 | | 1923 KTXH 20 TX 319 | 0839 | KHSH 67 TX 318 |
| (Columbia WMAH-19) | | 2136 WTOG 44 FL 499 | 0842 | KTMD 48 TX 303 |
| 0623 WLOV 27 MS 273 | 12 tr 1811 | KLRT 16 AR 361 | | KXLN 45 TX 319 |
| 0625 WMAH 23 MS 238 | 13 tr 0100 | WBBH 20 FL 554 | 0900 | WBMG 42 AL 315 |
| (// WMAU-17) | | =WHA 32 AL 286 | 18 Es 1230 | unid 3 ABC |
| 0700 WBMG 42 AL 315 | | 0118 WBHS 50 FL 499 | 1500 | unid 2,3 SS XEW |
| 30 tr 0114 WDBB 17 AL 294 | | 0119 WFTX 36 FL 552 | tr 2323 | KLRT 16 AR 361 |
| 0125 WBBH 20 FL 554 | | 0145 WINK 11 FL 554 | 2326 | KTHV 11 AR 361 |
| | | 0807 WPTY 24 TN 363 | 19 Es 0946 | unid 2 PBS |
| | | 0619 WLNT 30 TN 360 | 1716 | KGAM 2 IA 857 |
| | | 0650 KTEJ 19 AR 412 | | unid 3 |
| | | (See Note) | 2159 | unid 5 CBC |
| | | 0651 WMAV 18 MS 301 | 2236 | KWGN 2 CO 1084 |
| | | (// WMAH-19) | 20 Es 2355 | unids 2,3 weak |
| | | | 21 Es 2050 | unid 2 weak |
| | | 14 tr 1925 | WDBB 17 AL 294 | |

Note - Saw "AETN PBS AR" floating under WMAH-19.

Finally got a couple of good openings to Fort Myers/Cape Coral. The E skip was pretty weak this month, nothing to get excited about.

NASWA ANNUAL WINTER SWL FESTIVAL

The weekend of February 18th thru 21st will be time for this year's North American Shortwave Association Winterfest. Fast becoming THE annual DX event in the U.S., over 200 DX hobbyists of all types are expected to attend by organizers. The WINTER SWL FEST takes place outside Philadelphia at the Holiday Inn on Sumneytown Pike in Kulpville, PA; that's at Exit 31 of the PA Turnpike NorthEast extension/Lansdale Interchange. Further info is available from: Winter SWL Fest, PO Box 591, Colmar PA 18915. Up-to-the-minute info on the event can be heard on ANARC's SWL Ham net, 7.240 MHz LSB on Shortwave, 10:00 AM Sunday mornings. Locals in need of info can contact Dan Cashin at (215) 446-7831. Dan will be there with information handouts on WTFDA--and there'll be plenty of info on other DXing clubs and products, as well as some great forums at the Festival, too!

EASTERN TV-DX

(NEW EDITOR NEEDED!)

A NEW EDITOR is needed for this section of the VHF-UHF DIGEST. If you would like to volunteer, contact the club publisher via P.O. BOX 514, BUFFALO NY 14285-0514 DXers: hold on to your reports until a volunteer comes forth. NOW, on to the reports forwarded by departing editor BILL NIENAJADLY.

Robert Grant (KD8EN), 8226 Beaverland, Detroit, MI 48239. (313)RE.0-8966

Equipment: 1991 Zenith 27" color, Winegard TV-7052 @25', RG-6

September, 1992:

| | | |
|--------------------------|-------------------------|----------------------------|
| 2 Tr 0300 WILL-12 IL 322 | 5 Tr 0220 WCPO-9 OH 232 | 14T0155 WFHD-23 IL |
| WGN-9 IL 225 | 0240 WLFI-18 IL 218 | 0200 WGN-9 IL 225 |
| 5 Tr 0000 WCML-6 MI 204 | 0255 WISN-12 WI 243 | WCIU-26 IL 226 |
| WCUI-26 IL 226 | 0256 WLK-11 WI 283 | 32,44 IL T |
| WFLL-32 IL 225 | 0259 WAOW-9 WI 370 | 0234 WAND-17 IL 330 |
| WSNS-44 IL 225 | 0306 WTVV-18 WI 240 | 0255 WTTA-9 MS 670 |
| WEHS-60 IL 226 | 0400 WEAU-13 WI 418 | |
| WTJC-26 OH | WITI-6 WI 240 | WMCT-5t TN T |
| WCFC-38 IL T | KARE-11 MN 530 | (SSW, # WEWS) |
| 0037 WPTD-16 OH 188 | (see note 3) | 0312 WTAJ-10 PA 280 |
| 0100 WMCC-23 IN | 13 Tr 0040 CKCO3-11 ON | WPTA-21 IN 130 |
| 0200 WWUP-10 MI 264 | WJFW-12 WI 376 | |
| WGTQ-8 MI 263 | (see note 4) | 0400 WPWR-50 |
| (see note 1) | 1920 WBRE-28 PA 390 | WJYS-62 |
| GW 0200 W26AB-26 MI | WYOU-22 PA 390 | 26T0550 CFTO-9 ON 215 |
| (see note 2) | 14 Tr 0030 CKCO3-11 ON | 0600 WOWK-13 WV 270 |
| | | WSWP-9 WV 328 |
| | | Oct. 6T00Q1 WPXI-11 PA 210 |

NOTES:

- #1: A real surprise, this station eluded me at my old east side place for 12 years of DXing, yet I log it here, which should be a much worse location (WKYB-7 is abt 8 mi. "head-on" to WGTQ here, compared to 16 mi. at about 70° off at the old place)
- #2: W26AB (Detroit, CHA) had been off the air for more than two years, suddenly reappeared, then disappeared again after less than one month!
- #3: A nice opening, every time I asked it for more distance, it gave! KARE was the best Tr from the old east side place (now I'm about 10 mi. closer to it) nice for only 4 mo. here
- #4: a strange opening, no sign of anything else at all besides these two, both were fading in/out, no sign of any Wausau or Sudbury area DX!

Ed Phelps (NN2E) Rt 2 Box 266 Benton, Ky 42025 502 527 2289 24 hrs 10/28/92

| | | | |
|-------------------|---------------------|---------------------|------------------------|
| 9/11 W59AF AL 160 | 9/20 W20AS KY 250 | 9/29 WVLA 33 LA 481 | 9/29 KPOM 24 ME 332 |
| 9/17 W58AA IL 220 | W41AZ KY 250 | KOKH 25 OK 517 | 10/26 WUBI 34 GA 500 |
| W66RD IN 338 | 9/23 WPGD 50 TN 100 | WKHA 35 KY 264 | WKPI 22 KY 321 |
| W45AG IN 338 | 9/29 WGBB 44 LA 481 | KOZJ 26 MO 342 | Total now 629 loggings |

Thanks to Doug Smith for helping me with W59AF. They are in Russellville, AL. They use their call letters on screen but don't say where they are. W59AF was running TEN. W68AA in Danville, IL runs the same programing as WAND 17 in Decatur, IL. WPGD 50 is in Hendersonville, TN. They went on the air 9/23/92 and call themselves Sunlight Broadcasting or some such thing. Of course, they run TEN programing. Just what we need ... more TEN stations. You can only see about 50 of them from here on an average day. Now all we need are a few more home shopping stations. WUBI 34 is in Bayley, GA. A call to the station revealed that they went on the air 5/1/92, are an independent, and run 360 some KW. I spoke with Ron Evans K5XK at KROG 29 Fayetteville, AR and he tells me that power output has gone up from 700 some KW to 1.4 meg. Their signal is better here now.

William R. Hepburn 35 Lockwood Rd Brampton ON L6Y 4T7 (EDT)

Equipment: JVC HR-D530U VCR w/attic VHF dipoles & 2nd Floor UHF 4-bay

September 1992

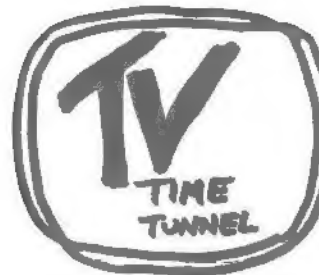
20 Tr 1302 WKEF 22 OH 357
24 Tr 0604 WCFC 38 IL 416
0605 WFLD 32 IL 416
0608 WNDU 18 IN 357
0609 WHME 46 IN 353
0622 WYCC 20 IL T
0702 WCIU 26 IL 417
0758 WPHR 39 IN 328

September 1992

24 Tr 0804 WANE 15 IN 328
25 Tr 2158 WJRT 12 MI 217
2347 WOKI 33 MI 258
(See Note # 1)
26 Tr 0536 WICR 13 ON 112
October 1992
04 Tr 0422 WNDU 18 IN 357

October 1992

06 Tr 0419 WRGT 45 OH T
0436 WKEF 22 OH 357
07 Tr 0253 WSTR 84 OH T
0459 CW451 6S ON 106
(See Note # 2)
0502 WKEF 22 OH 357
0846 WNDU 18 IN 357



WRITTEN BY TOM BRYANT, 849 TOWN PREIS DRIVE, NASHVILLE, TN 37221 (615) 646-2000

This month's column was inspired by a letter from Paul Swearingen of the National Radio Club. The focus of his comment was the fact that neophyte dxers are often awestruck by catches most of us consider commonplace, or even boring. He pointed out that newcomers need all the help they can get; and that the clubs and individual members should do everything in their power to see that they get it. I agree 100%!

BACK TO SQUARE ONE

I'd be willing to lay pretty steep odds that most dxers retain vivid memories of their first encounter with skip. It might have been a 1000 mile E hop or a 200 mile tropo catch. Regardless, it was a real eye-opener...a mind-blower! Right there on your TV screen was something that shouldn't have been there...you didn't know why it came in...and most likely didn't care. The important thing was that you saw it! You had sampled the forbidden fruit of the airwaves. The taste was sweet...you searched for more...and more...and more! You were hooked. Probably, without even knowing the term, you had become a dxer.

My introduction to TV dx occurred in the summer of 1953. Our first area station was still six months away from sign-on, but a local store was already selling antennas and sets, and kept one on in spite of the lack of a reliable signal. It was at Wentz Furniture, where I first saw a picture begin to take form on channel 2. Then...there it was...a commercial for Boomershine Motors (the guy had a thick Southern accent and pronounced it "Boo-muh-shan") immediately followed by a station break. Holy smokes...it was coming from Atlanta, GA...all the way up to Napoleon, ND! The image burned into my mind as if it had been stamped with a hot branding iron!

A few months later we got a set at home and I logged the likes of Seattle, Los Angeles, Phoenix, Montreal, Baton Rouge, and Greensboro. Every new catch was a thrill, but it was a lonely ecstasy...no one else seemed to give a tinker's damn about my 'stupid' hobby.

Oh sure, I eventually learned a little more about propagation and found a few people who knew more about the hobby than I had managed to eke out on my own; but it wasn't until 5 years ago...after 35 years of dxing...that I was shepherded to the WFOA flock by NJ dxer Bill Burrows.

A lifelong dream had been fulfilled! I was finally in touch with people who actually enjoyed dxing! The ultimate perk came unexpectedly when I read in the VUD that a Wisconsin dxer, Doug Smith, had moved to Nashville. A phone call started the ball rolling for what has been one of the most rewarding hobby-oriented relationships of my life.

Boy, did I luck out! Here was a guy who is not only a gung-ho TV dxer, but also active in AM (a long-time favorite of mine) and FM. He's a gold mine of technical information and a walking encyclopedia of general information. Thanks to WFOA, my days as a 'lone wolf' dxer are over.

These recollections may well be similar to yours, and I brought them up for a reason. We should never forget that we were all beginners. With the spread of cable and the disappearance of outside antennas, odds are that fewer and fewer newcomers will discover the mystique of the airwaves that we take for granted. As an organized hobby, TV dxing is an endangered species; and it's up to us to help keep it alive by encouraging and promoting interest at every opportunity. It's a sobering thought and a heavy responsibility.

Somewhere out there, there's a young Bob Seybold just waiting to be discovered. Will you be there? Will he be able to find you? Let's hope so on both counts. He'll need your help and encouragement.

TV News

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Abbreviations used in this column:

ERP= Effective Radiated Power, in kilowatts
 HAAT= Height Above Average Terrain, in meters
 AAT= Above Average Terrain
 AG= Above Ground
 ASL= Above Sea Level
 nc= no change
 TL= Transmitter (and tower) Location
 CP= Construction Permit
 MP= Modification Permit (modification of CP)
 * = Non-commercial
 CRTC= Canadian Radio-TV Commission

APPLICATIONS FOR NEW TV STATIONS:

| St. | Ch. | ERP | HAAT | City; Applicant |
|-----|-----|-------|------|---|
| WY | *6 | 316kW | 356m | Laramie; Central Wyoming College (licensee of KCWC-TV Riverton) |

APPLICATIONS TO CHANGE EXISTING STATIONS:

| St. | Ch. | ERP | HAAT | Call | City |
|-----|-----|------------------------|---------------------|---|-----------------|
| AZ | 21 | 1496kW (was 646kW) | nc | KPAZ-TV | Phoenix |
| CO | *6 | nc | 292m | KRMA-TV | Denver |
| | | | | (TL: 39°43'49"N, 105°15'00"W; 4km SW of Golden, very close to existing site. Was 280m.) | |
| NM | 48 | 1496kW (was 5000kW) | nc | KZLA | Las Cruces |
| TN | *45 | 1524kW (was 1480kW) | 326m | WTCI | Chattanooga |
| TX | 49 | 4227kW | 359m | KTRH | Conroe |
| | | | | (TL: 30°15'45"N, 95°14'50"W; 19km SE of Conroe. Was 4070kW.) | |
| VA | 29 | nc | 363m (was 368m.) | WVIR-TV | Charlottesville |

CHANGES GRANTED TO EXISTING STATIONS:

| St. | Ch. | ERP | HAAT | Call | City |
|-----|-----|-----------------------------|------|---|------------|
| AL | 45 | 619.4kW (was 603kW) | nc | VMCF-TV | Montgomery |
| CA | 39 | 2500kW (was 5000kW) | nc | KNSD | San Diego |
| IN | 63 | 1374kW (was 5000kW/145m) | 144m | WIFM | Angola |
| TX | 14 | 3236kW | 269m | KXAM-TV | Llano |
| | | | | (TL: 30°40'36"N, 98°33'59"W, 12km SE of Llano off TX-71.) (was 5000kW/524m) | |

CALL LETTER CHANGES FOR EXISTING STATIONS:

| St. | Ch. | City | Was | Now |
|-----|-----|----------|---------|---------|
| NM | 2 | Santa Fe | KKTC-TV | KASA-TV |

CALL LETTERS ASSIGNED TO NEW STATIONS:

| St. | Ch. | Call | City; permittee |
|-----|-----|------|---|
| SC | 55 | WFVT | Rock Hill; Rock Hill Broadcasting Corp. |

OTHER STUFF:

The single-column format is temporary. My printer died; the word-processing software I normally use doesn't have a driver for the replacement printer; and the software I'm using for this month's column doesn't support multiple columns. Anyone out there willing to sell a printhead for an Epson LQ-500 at a reasonable price? Epson gets \$150...

The change information for KXAM-TV above listed the station as being on channel 77! Where they got that from, I've no idea--all past information on this station (including conversations with their former CB) indicate they are indeed on channel 14...

I also note with interest the call change for KKTC-2. I'd speculated this station would become KGSW and replace channel 14 as the Fox affiliate for the Albuquerque market--but given that KASA "misspells" something in Spanish, and Albuquerque has a substantial Hispanic population, might this become a Spanish-language station??

The Supreme Court has agreed to hear a radio case with implications for TV stations near state lines. Currently, broadcasting stations are only permitted to air commercials for state lotteries if the state to which the station is licensed has a lottery. In the case in question, WKOC (FM) Elizabeth City, N.C. (which serves the Norfolk, Va. market) has asked the court to allow the airing of commercials for the Virginia Lottery, currently prohibited since North Carolina doesn't have a lottery.

KDKA-2 Pittsburgh has reportedly decided to preempt CBS's afternoon programming to carry the two-hour Disney Afternoon cartoon show.

ChicagoLand Television News, that city's 24-hour local cable news channel, was scheduled to begin operations in early January, serving 600,000 area cable subscribers.

Zenith and Goldstar have jointly developed a HDTV VCR. The machine is to become available in 1996; will use regular S-VHS cassettes; and will retail for about \$1,000.

Game-show producer Mark Goodson has died of cancer. Goodson was 77. Among many other programs (the Guinness Book of World Records lists him as "the most prolific producer in television history"), he produced Family Feud and The Price Is Right.

Also, KSTP AM/FM/TV founder Stanley E. Hubbard has died at age 95. KSTP-TV was the first NBC affiliate not owned by the network. (It's now switched to ABC) Hubbard's company (now run by his son Stanley S. Hubbard) expects to pioneer DBS satellite broadcasting in early 1994. And, Hubbard is behind the Conus Communications satellite-news-gathering company and the All-News Channel aired by a number of LPTVs and in late night by full-power stations.

A bankruptcy court in Madison, Wis. is expected to approve a reorganization of Tak Communications. The move would technically change ownership of Tak's five TV stations, but would probably not break up the group. (including WKOW-TV, WAOW-TV, WKOW-TV, and WQOW-TV)

Moscow's first independent TV station, TVO, was to begin operation on Jan. 1. Turner Broadcasting and Moscow Independent Broadcasting Co. are operating the station.

A likely candidate for Alfred Sikes' position as chair of the FCC may be in trouble. Antoinette Cook was involved in a partnership that challenged the license of WGMS AM/FM Washington in 1988. In a rather complicated process, her group, RKO (former owners of WGMS), and 6 other applicants (including one 12% owned by Cook's stepfather) reached an agreement to withdraw their applications & allow a 9th applicant to purchase the stations for \$33,900,000. Of this money, Cook's partnership received \$2.1 million, and Cook herself was entitled to roughly 1/4 of that money. This practice was banned by the FCC in 1989, when it limited payments to license-challengers to out-of-pocket expenses. Many such challenges were filed against RKO's stations after the FCC revoked the license of their WHAC-TV Boston. (now WHDH-TV)

FORUM:

Dave Sinclair, Vancouver BC:

"Referring to your column, December, page 15, I have never understood why television stations drop "TV" from their identification, such as KOIN, Portland." I'm not sure I understand either! Two guesses: First, that the stations don't want some radio station taking up their call (for example, if KOIN had remained KOIN-TV, an unrelated radio station could have chosen the KOIN calls); second, that they wanted to change their graphic look & didn't want to make room for the -TV suffix. But that's strictly speculation.

"In connection with the Bellingham and Anacortes, Washington changes; this is no surprise, and will enable the Christian group and TBN to obtain a full power UHF station for the Vancouver and Victoria markets on channel 24." I hadn't been aware that KBCB was to be a TBN affiliate, but sometimes that's hard to tell from licensee names. Or, the station has been sold in the last year--my database's ownership records are kinda old.

"I suspect that part of the problem with KBBW-32 Salem, Oregon was that they were not on cable anywhere in Portland." Yes, probably true. It's unusual for a new station to get on cable these days, though the lawsuit recently won by KHIZ-64, or the possible implementation of a must-carry law, may change that soon.

Dave sent along some more Canadian news clippings. In the Dec. 24 Vancouver Sun, it's reported that the CRTC has decided to allow Western International Communications to purchase CHCH-11 Hamilton, Ontario. The purchase had been previously approved, but only on the condition that WIC sell either CHEK-6 Victoria or CHAN-8 Vancouver. WIC considered that condition unacceptable; the CRTC felt the CHCH purchase was an opportunity to correct the multiple-ownership situation in the Vancouver market. (CHEK and CHAN have overlapping coverage; both stations put city-grade signals into Vancouver. This is absolutely not permitted in the U.S., and in Canada is only permitted in smaller markets.)

And, in the Dec. 8 Globe & Mail, reports on CRTC hearings on the future of Canadian television; over 300 briefs have already been filed for hearings to be held in March. In what sounds an awful lot like the argument over the retransmission-consent provisions of the U.S. Cable Act, Canadian TV stations are calling on the CRTC to require cable systems to reimburse them for their programming; Canadian Cable TV Association president Kenneth Stein says "We are not willing to discuss a fee for carriage. It is out of order." The "Friends of Canadian Broadcasting" are calling for encouragement of DBS and wireless cable.

Keith Short, Columbus OH:

From the Dec. 15 Cincinnati Enquirer: Does anyone out there remember the pioneer QUBE interactive cable system built in the Cincinnati area in the late 1970s? Well, it is no more... As part of an overhaul of Warner Cable's Cincinnati-area systems, the QUBE converter boxes are to be replaced with new units, and coaxial trunk lines & microwave networks are to be replaced with more reliable, but not interactive-capable, fiber optic links.

Warner had promised that QUBE would be used for live town meetings, local entertainment programs, home education programs, and public opinion polling, but high costs brought interactive functions to an end in 1984.

Keith asks "If fiber optics are replacing coaxial cable, could it not be far off that we'll see a TV antenna hookup for the home using fiber optics?" Probably not; the real value of fiber is in very long cable runs. To run cable TV signals over coax, amplifiers are required at regular intervals; these amplifiers are susceptible to lightning damage, not to mention the other assorted problems that can befall any electronic equipment. Fiber not only can transmit further (requiring fewer amplifiers) but since the optical fiber is made of non-conductive glass, lightning is much less of a problem. For that reason, fiber is commonly used by broadcast stations wishing to transmit video between buildings (both WISC and WSNV use fiber for studio-to-transmitter links, over distances of several hundred meters), and fiber-optic video circuits can be leased from telephone companies.

But for transmission from your roof to your TV, the cost of the RF-to-light and light-to-RF converters needed would probably be too expensive. On the other hand, I can certainly see the day when instead of a coaxial cable entering your home, the cable feed will be on fiber, with the light-to-RF converter being part of your cable descrambler box.

Tom Bryant, Nashville TN:

Tom received another phone call from a Winnipeg-area friend who believes KVRB-12 is not off. CHMI-13 interference and the fact that KVRB isn't on Winnipeg cable make it difficult to tell for sure. He also spoke to someone in Billings who said KSVI-6 (formerly KPQD) was to have premiered in early January as the market's ABC affiliate, with KOUS-4 going dark. Whether this has actually occurred is unknown.

Also locally, W36AK has returned. Looks like TBN isn't paying as much attention to this LPTV now that WPGD-50 is on--WPGD's signal is better in most parts of Nashville anyway.

CONVENTION:

Make your plans! We promise a good time, interesting tours, an air-conditioned venue, and lots of DX! Feel free to contact Tom Bryant or myself if you have any questions, suggestions, or comments.

DX:

There's actually been some! The holiday season seems to be the prime tropo season here in the Mid-South. Openings have included (for my feeble antennas) Birmingham, Atlanta, Dayton, plus new Poplar Bluff MO and Jonesboro AR, for two new states. While no Es has been caught at my location, 50MHz reports are pretty good, so I'm sure there's be plenty in Eastern & Western TV. Speaking of the holiday season, I hope yours went well,

73 Doug

1992 TV E-skip Report

Monthly report:

| Month: | Total loggings: | Es days: | Average: |
|-----------------|-----------------|----------|----------|
| December (1991) | 85 | 9 | 9.44 |
| January | 49 | 13 | 3.77 |
| February | 7 | 1 | 7.00 |
| March | none | | |
| April | 2 | 6 | 0.33 |
| May | 581 | 29 | 20.03 |
| June | 1102 | 26 | 42.38 |
| July | 378 | 26 | 14.53 |
| August | 49 | 16 | 3.06 |
| September | 3 | 2 | 1.50 |
| October | none | | |
| November | 2 | 1 | 2.00 |
| Annual summary | 2258 | 129 | 17.50 |

Total loggings: All IDd Es loggings reported to ETV/WTW.
 Es days: All days on which at least one DXer reported an Es logging, (IDd or unID)
 Average: Average number of Es loggings reported per day.

Best days:

| Date: | Total: | Reporters: | Avg. | MUF: | Max: | FM Rank: |
|----------------|--------|------------|------|--------|------|----------|
| 1 May 25: | 172 | 31 | 5.55 | 107.9 | 15 | 2 |
| 2 June 13: | 168 | 30 | 5.60 | 107.9 | 19 | 1 |
| 3 June 14: | 133 | 24 | 5.54 | 107.9 | 24 | 3 |
| 4 June 16: | 108 | 16 | 6.75 | 107.9 | 50 | 9 |
| 5 June 17: | 87 | 24 | 3.63 | 107.9 | 14 | 4 |
| 6 June 15: | 78 | 20 | 3.90 | 102.3 | 18 | 12 |
| 7 July 7: | 78 | 24 | 3.25 | 107.3 | 17 | 10 |
| 8 May 24: | 72 | 24 | 3.00 | 107.9+ | 8 | 7 |
| 9 June 19: | 70 | 16 | 4.38 | 107.5 | 18 | 6 |
| 10 June 18: | 61 | 18 | 3.39 | 117.6 | 15 | 5 |
| 11 May 12: | 60 | 12 | 5.00 | 106.3 | 23 | 11 |
| 12 June 8: | 60 | 15 | 4.00 | 6 | 13 | |
| 13 July 18: | 60 | 16 | 3.75 | 5 | 12 | |
| 14 May 23: | 58 | 13 | 4.46 | 106.3 | 28 | 13 |
| 15 June 10: | 53 | 14 | 3.79 | 104.1 | 13 | 18 |
| 16 June 5: | 49 | 10 | 4.90 | 105.1 | 14 | 17 |
| 17 June 20: | 45 | 17 | 2.65 | 6 | 10 | |
| 18 December 2: | 43 | 13 | 3.58 | 102.3 | 8 | |
| 19 July 12: | 40 | 9 | 4.44 | 5 | 10 | |
| 20 June 12: | 38 | 14 | 2.71 | 6 | 8 | |

Total: Count of all IDd Es loggings reported this date.
 Reporters: Count of all DXers who reported Es loggings this date.
 Avg.: Average number of loggings per DXer this date.
 MUF: Maximum usable frequency reported.
 Max: Most loggings reported by one DXer.
 FM Rank: Ranking of this date in Greg Coniglio's FM Es report.

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CONVENTION '93...NASHVILLE---CONTINUED FROM PAGE 2

It's no secret that a lot of WTFDA members are not country music fans. No problem! There's plenty to do and see in this area without getting anywhere near a guitar! For history buffs there are numerous Civil War battle sites and cemeteries. Antebellum homes such as the "Hermitage" (President Andrew Jackson) have been restored and are open to the public. A full-size replica of "The Parthenon" houses art exhibits and statuary.

If you are into country music...this is THE center of the universe! Of course there's that venerable national treasure called "The Grand Ole Opry". On the same property you'll find the sprawling Opryland Theme Park (it takes two days to cover everything). Right next door is the opulent 1800 room Opryland Hotel and Convention Center...worth at least an hour just to walk through the tropical gardens. Adjacent to the Opryland parking lot is the General Jackson Showboat...it's a real paddle-wheeler that carries almost 1000 passengers, and makes several cruises daily. Want more? How about The Country Music Hall of Fame and Museum (including historic RCA 'Studio B' where Elvis and other country superstars recorded hit sessions), Music Row, Tootsie's Orchid Lounge, Twitty City, Printer's Alley, and countless other less famous spots.

Eating? You want it...Nashville has it! This place is almost like New Orleans...it would take a month to eat your way through the better restaurants. Your hosts will be glad to make recommendations.

Summertime weather in Nashville is likely to be hot and humid. No need to bring a jacket or sweater...daytime highs in late July are usually around 90 and nighttime lows between 70 and 75. Everything down here is air-conditioned, so it's really not as bad as you might think...unless you plan to spend a lot of time outdoors. Shorts, T-shirts and swimwear are recommended for maximum comfort.

Well, that's it for your introduction to your 1993 Convention site. We'll be updating this information frequently; but wanted to give everyone plenty of advance notice as to what to expect.

The WTFDA has a history of good-time conventions, and it's our hope that you will leave Nashville with memories of one of the best ever. We intend to allow plenty of leisure time for you to visit our many attractions. Of course, if you just want to hang out at the Convention headquarters, you'll probably have plenty of company.

If you have any suggestions or requests, please let either of us know as soon as possible. After all, this is YOUR yearly gathering, and we want it to include as much as possible of interest to WTFDAers.

Accommodations and registration fees will be announced at a later date. Meanwhile, if you want any tourist information please contact either of us (and let us know if you have specific area of interest).

WE CAN'T THINK OF ANY REASON NOT TO BE HERE...SO START PLANNING RIGHT NOW! LET'S MAKE '93 THE BIGGEST TURNOUT IN WTFDA HISTORY!

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[No collect calls, please. Answering devices on both phones.]